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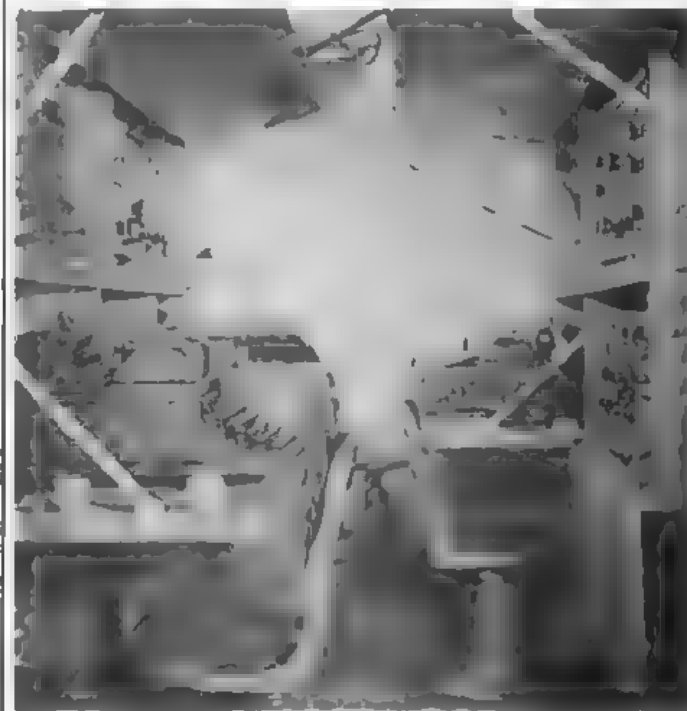
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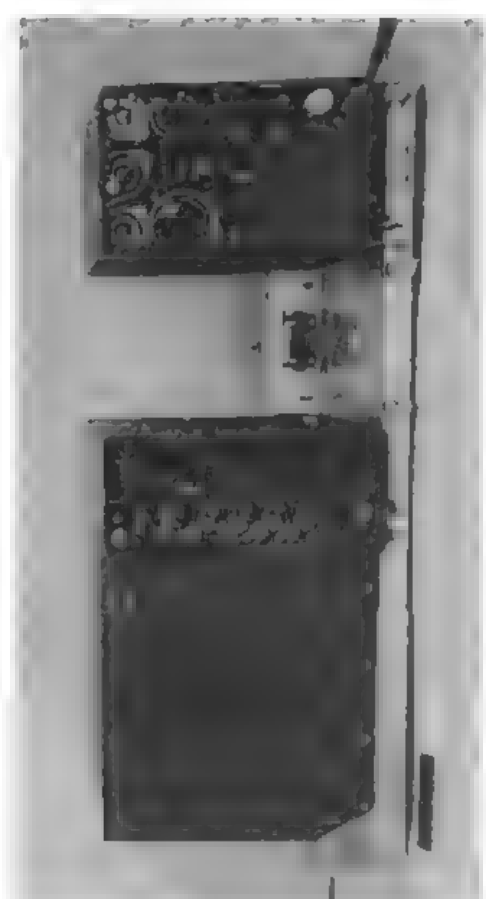
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INSTRUCTIONAL LITERATURE ST1 OF TC-9 T1	STATUS CHANGE IN STATUS			NOMENCLATURE DESIGNATION TC-9	
 RADIO INTERCEPT CONTROL TC-9 SHOWING OPERATING POSITIONS, HOUSED IN ONE SHELTER HO-27.			(CLASSIFICATION) UNCLASSIFIED) RADIO INTERCEPT CENTRAL TC-9. EQUIPMENT CONTAINED IN 3 SHELTERS. HO-27 EACH CARRIED BY TRUCK, CARGO, 2 1/2 TON 6X6 FOR PURPOSE OF INTERCEPTING, RECORDING, INTERPRETING, RADIO COMMUNICATIONS. CONSISTS OF RADIO RECEIVERS, RECORDERS, SWITCHBOARD, ANTENNA, INTERCOMMUNICATION AND MONITORING SYSTEM.		
PRINCIPAL COMPONENTS (CLASSIFICATION:)					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
SHELTER HO-27 (3 EACH)	46.5"	74"	138"	1750 #	
RECEIVER BC-342 (5 EACH)	9.75"	18"	9"	46 #	
RECEIVER BC-344 (3 EACH)	9.75"	18"	9"	46 #	
RECEIVER BC-787 (2 EACH)	9.5"	19"	14.25"	65 #	
RECEIVER BC-794 (3 EACH)	12.25"	23"	16.5"	70 #	
RECEIVER BC-969 (1 EACH)	10"	19"	19"	60 #	
RECORDER BC-1016 (1 EACH)	10.25"	19.25"	14.75"	80 #	
VOICE RECORDER (DICTAPHONE TCS-2P)	12"	29"	14"	98 #	
VOICE REPRODUCER (DICTAPHONE TCS-TV)	14"	14"	17"	80 #	
SWITCHBOARD BC-72	15.25"	25.5"	9.5"	72 #	
TELETYPE PRINTER TG-7	15.5"	21.5"	18"	75 #	
COMBINED WEIGHT OF COMPONENTS					
COMBINED VOLUME OF COMPONENTS					
SHIP TONNAGE					

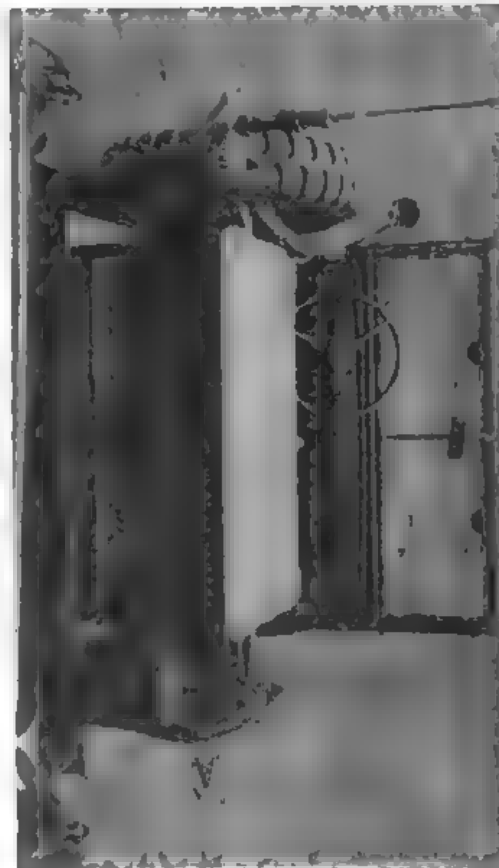
TC-8	NOMENCLATURE DESIGNATION	STATUS:	INSTRUCTIONAL LITERATURE: STI ON TC-8 T 1		
(CLASSIFICATION: UNCLASSIFIED) RADIO DIRECTION FINDER CENTRAL TC-8. EQUIPMENT CONTAINED IN 2 SHELTERS NO-27 EACH CARRIED BY CARGO TRUCK, 2 1/2 TON 6x6 FOR PURPOSE OF COORDINATION AND PLOTTING INFORMATION RECEIVED BY RADIO AND WIRE FROM DIRECTION FINDER STATIONS. INCLUDES RADIO RECEIVING APPARATUS, TELEPHONE SWITCHBOARD, PLOTTING BOARD, AND INTERCOMMUNICATION AND MONITORING SYSTEM. RADIO DIRECTION FINDERS ARE NOT INCLUDED WITH THIS CENTRAL BUT ARE USED WITH IT.		CHANGE IN STATUS:			
PRINCIPAL COMPONENTS (CLASSIFICATION:)					
ITEM	HEIGHT	WIDTH	DEPTH	WEIGHT	CLASSIFICATION
SHELTERS (2 EACH) NO-27	66.5"	76"	138"	1750 #	
RECEIVER BC-342 (2 EACH)	9.75"	18"	9"	46 #	
RECEIVER BC-344 (1 EACH)	9.75"	18"	9"	46 #	
RECEIVER BC-787 (1 EACH)	9.5 "	19"	14.25"	63 #	
RECEIVER BC-794 (1 EACH)	12.25"	23"	16.5"	70 #	
RECEIVER BC-969 (1 EACH)	10 "	19"	19"	80 #	
TAPE RECORDER BC-1016	10.25"	19.25"	14.75"	80 #	
VOICE RECORDER (DIAPHONE) TCB-2P	12 "	29"	14"	96 #	
VOICE REPRODUCER (DIAPHONE) TCB-TU	14 "	14"	17"	80 #	
SWITCHBOARD BC-72	13.25"	25.5"	9.5	72 #	
INTERCOMMUNICATION SYSTEM MC-238					
COMBINED WEIGHT OF COMPONENTS					
COMBINED VOLUME OF COMPONENTS					
SHIP TONNAGE					



RADIO D/F CENTRAL TC-8 SHOWING OPERATING POSITIONS.
HOUSED IN SHELTER NO-27.

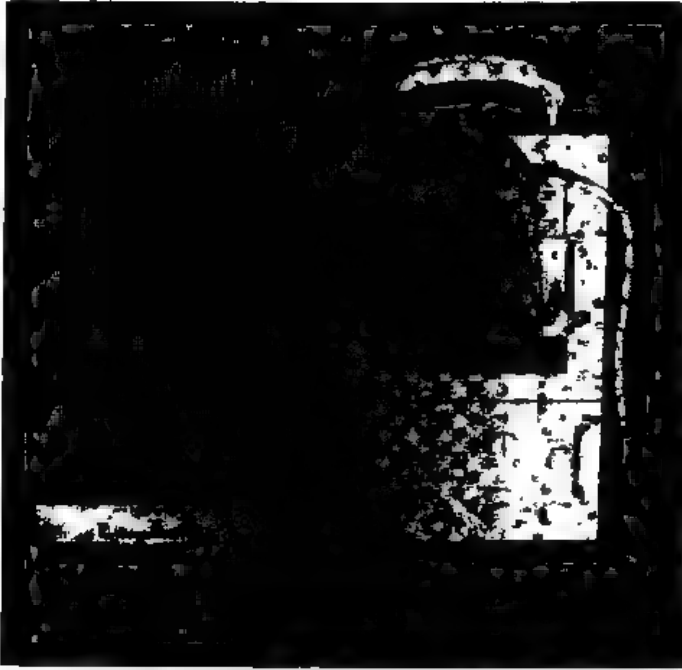
INSTRUCTIONAL LITERATURE TM 11-649	STATUS:	STANDARD 10 JAN 42	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-828																												
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MHz) 27 - 38.9 NUMBER OF CRYSTALS: 1 (XTAL CALIB.) PRESET FREQUENCIES: 4 ANTENNA: SECTIONAL MAST TYPE, VEHICULAR. TUNING: (NO OR XTAL) NO SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 OR 24V. VEHICLE BATTERY. DYNA- MOTOR DM-64 & DM-65 FOR 12V INPUT WITH RECV. & TRANS. RESPECTIVELY. DYNAMOTOR DM-66 & DM-67 FOR 24V INPUT WITH RECV. & TRANS. RESPECTIVELY. SIMILAR SETS: SCR-728 POWER OUTPUT: (WATTS) 35 TUBES: (TYPE AND NUMBER) SCR-828: 2-6AG-7/1852; 3-6XJ73P; 1-12 SA7; 2-12BH7; 1-6X6; 3-6AL 701; 2-6V6GT; 2-VRT50.50; 3-12-SC 7; 1-6AG7; 2-815; 1-6J5. PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: FA; PLATOON COMMANDER; TANK DESTROYER UNIT; RANGE: (MILES) 5-7 IN TANKS; 10 MILES IN OPEN VEHICLES. TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-638. TO REPLACE IN PART: SCR-628. TRANSPORTATION: VEHICLE TYPE OF SIGNAL: VOICE (F.M.)																													
 RADIO SET SCR-828, MOUNTED ON BASE FT-237 MAKER COLLATOR VERSION OF EXT-445, LEX SCR-808.			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)																													
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO TRANS. SC-924</td> <td>1 1/2"</td> <td>5 1/2"</td> <td>1 1/2"</td> <td></td> <td></td> </tr> <tr> <td>RADIO RECV. SC-923</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MOUNTING FT-237</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO TRANS. SC-924	1 1/2"	5 1/2"	1 1/2"			RADIO RECV. SC-923						MOUNTING FT-237					
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																								
				HEIGHT	WIDTH	DEPTH																										
			RADIO TRANS. SC-924	1 1/2"	5 1/2"	1 1/2"																										
RADIO RECV. SC-923																																
MOUNTING FT-237																																
COMBINED WEIGHT OF COMPONENTS:																																
COMBINED VOLUME																																
SHIP TONNAGE																																

SCR-808		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:	STANDARD 10 JUL 42	INSTRUCTIONAL LITERATURE TM 11-601
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MC) 27.0 - 30.9. NUMBER OF CRYSTALS: 2 (1 PER RECVR.). PRESET FREQUENCIES: ANY 4 OF 180 AVAILABLE. ANTENNA: SECTIONAL MAST TYPE, VERTICAL. TUNING: (MC OR XTAL) MC SENSITIVITY: SELECTIVITY: POWER SOURCE: VEHICULAR BATTERY 12 OR 24 V. SIMILAR SETS: SCR-708; SCR-828. POWER OUTPUT: (WATTS) 35 TUBES: (TYPE AND NUMBER) BC-923- RECVRS 4 Type 6 A 0 7; 2 Type 68J7 8PL.; 2 Type 128A7; 4 Type 128Q7; 4 Type 128J7; 2 Type 5H6; 4 Type 68L7GT; 2 Type 6V6GT; 2 Type VR15070; 6 Type 125C7. BC-924- TRANS; 2 Type 68J7 8PL.; 1 Type VR150-30; 1 Type 6A07; 2 Type 815; 1 Type 6J5; 1 Type 68L7GT; 1 Type 6V6GT.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: COMPANY AND HIGHER COMMANDS. TANK DESTROYER COMMAND. FIELD ARTILLERY. RANGE: (MILES) 10 MILES IN OPEN VEHICLE, MOVING; 5-7 MILES IN TANKS MOVING. TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-628; 10 CHANNELS TO BE COMMON WITH SCR-508; SCR-509; SCR-510. TO REPLACE IN PART: SCR-608. TRANSPORTATION: MOTOR VEHICLE IN WHICH IT IS INSTALLED. TYPE OF SIGNAL: FM; VOICE ONLY.		RADIO SET SCR-808, INSTALLED IN DODGE TRUCK, 3/4-TON L X L COMMAND (RADIO) RADIO SET SCR-808, IS SIMILAR TO RADIO SET SCR-608, FOR WHICH SET IT IS A CRITICAL SPARE PART. HOWEVER, IT INCLUDES RECEIVER BC-923 AND TRANSMITTER BC-924, IN PLACE OF BC-603 AND BC-604, RESPECTIVELY. SET IS CRITICAL, CALIBRATED, USING ONLY ONE CRITICAL PER RECEIVER IN- STANT OF THE TWO CRITICALS USED IN SCR-608. IT IS A VERTICAL SET FOR OPERATION ON VOICE BY PERSONS WHO ARE NOT EARLY SPECIALISTS. COMPONENTS COMPATIBLE IN 0125 AND 021015 TO TONK OF RADIO SET SCR-608 FOR WHICH SCR-808 IS A POSSIBLE REPLACEMENT IN THE AVAILABLE RESERVE FOR NO OPERATION, WHEN CRITICAL IN CALIBRATION CIRCUIT.		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)								
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION		
		HEIGHT	WIDTH	DEPTH				
1 RADIO TRANS. BC-924								
2 RADIO RECVR. BC-923								
1 MOUNTING FT-237								
COMBINED WEIGHT OF COMPONENTS.					225# (APPRX.)			
COMBINED VOLUME.		14 1/2"	3 1/2"	14"				
SHIP TONNAGE:								



THIS SHEET IS CLASSIFIED: **RESTRICTED**

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

INSTRUCTIONAL LITERATURE:	STATUS:		NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-714																																		
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																			
	FREQUENCY RANGE: (Mc) 5.8 - 6 (RECEIVER ONLY) NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: Loop wire TUNING: (MC OR KTA) SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 V VEHICLE BATTERY OR HAND GENERATOR. SIMILAR-SETS: POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER)			PART B TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																		
	1 11L 1 18C 1 13S 1 30L			USE: INFANTRY PARACHUTE AIRBORNE TROOPS. RANGE: (MILES) TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: VEHICLE OR MAN POWER TYPE OF SIGNAL: CW; VOICE (AM)																																		
	PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																					
	<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO RECVR. SC-1137-A MOUNTING FT-382</td> <td>14"</td> <td>9"</td> <td>3"</td> <td></td> <td>RESTRICTED</td> </tr> <tr> <td colspan="6">COMBINED WEIGHT OF COMPONENTS:</td> </tr> <tr> <td colspan="6">COMBINED VOLUME</td> </tr> <tr> <td colspan="6">SHIP TONNAGE</td> </tr> </tbody> </table>						ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO RECVR. SC-1137-A MOUNTING FT-382	14"	9"	3"		RESTRICTED	COMBINED WEIGHT OF COMPONENTS:						COMBINED VOLUME						SHIP TONNAGE				
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																	
	HEIGHT	WIDTH	DEPTH																																			
RADIO RECVR. SC-1137-A MOUNTING FT-382	14"	9"	3"		RESTRICTED																																	
COMBINED WEIGHT OF COMPONENTS:																																						
COMBINED VOLUME																																						
SHIP TONNAGE																																						

RADIO SET SCR-714-AW, FRONT VIEW. SPARE TUBE COMPARTMENT REMOVED

NO MILITARY REQUIREMENT ADVANCED FOR THIS SET. RECEIVER IS SAME AS USED IN DEVELOPMENT MODEL OF RADIO SET SCR-694, AND WAS PRODUCED IN SMALL QUANTITY FOR SPECIAL PURPOSE AS RADIO SET SCR-714-AS.

THIS SHEET IS CLASSIFIED: **RESTRICTED**

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SCR-704		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS	STANDARD 2 Nov 43	INSTRUCTIONAL LITERATURE
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MHz) 1.25 - 40 NUMBER OF CRYSTALS: HAS CRYSTAL FILTER PRESET FREQUENCIES: NONE ANTENNA: TUNING: (MO OR XTAL) DOES NOT APPLY SENSITIVITY: 1 MICROVOLT INPUT TO RECEIVER. SELECTIVITY: VARIABLE POWER SOURCE: 115/230 VOLT 50 - 60 CYCLES AC SIMILAR SETS: SCR-214 POWER OUTPUT: (WATTS) DOES NOT APPLY. TUBES: (TYPE AND NUMBER) 1 VT-65; 3 VT-66; 3 VT-86; 1 VT-87; 2 VT-90; 1 VT-91; 1 VT-96; 1 VT-116; 3 VT-117.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: INTERCEPT RECEIVER FOR COMMUNICATION AND MONITORING PURPOSES. RANGE: DOES NOT APPLY. TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: IN VEHICLE OR PLANE. TYPE OF SIGNAL: AM & CW.		CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)						RADIO SET SCR-704, FRONT VIEW, SHOWING COMPONENTS		
ITEM	HEIGHT	WIDTH	DEPTH	WEIGHT	CLASSIFICATION			
RADIO RECEIVER SC-794	12.25"	23"	16.5"	70#				
POWER SUPPLY UNIT RA-94	8.25"	13"	8.5"	35#				
COMBINED WEIGHT OF COMPONENTS:				105#				
COMBINED VOLUME OF COMPONENTS:								
SHIP TONNAGE:								

SCR-694

INSTRUCTIONAL LITERATURE:

STATUS:

STANDARD
10 JUL 43NOTE SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION.NOMENCLATURE
DESIGNATION:CHANGE IN
STATUS:**PART A - TECHNICAL CHARACTERISTICS**
(CLASSIFICATION)

FREQUENCY RANGE: (MHz) 3.0 - 6.5

NUMBER OF CRYSTALS: 2

PRESET FREQUENCIES: 2

ANTENNA: 15' WHIP AN-125, 12L.

TUNING: (MO OR XTAL) BOTH

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 6 OR 12 V VEHICLE BATTERY WITH
VIBRATOR UNIT PE-237, HAND GENERATOR GH-57
FOR FIELD USE OR BATTERY BA-48 FOR RECV. ONLY.
SIMILAR SETS:POWER OUTPUT: (WATTS) VEHICLE OPERATION A1-25,
A3-7; FIELD OPERATION A1-20, A3-5.TUBES: (TYPE AND NUMBER) 1 TRANS: 2 304; 1 HY6;
1 7870; 1 VR105-50. 1 RECV.: 3 174; 1 1A5;
1 125; 1 304.**PART B - TACTICAL CHARACTERISTICS**
(CLASSIFICATION)USE: INFANTRY; PARACHUTE; MOUNTAIN & AIRBORNE
TROOPS.RANGE: (MILES) STATIONARY CW-30; VOICE-15;
MOVING CW-15; VOICE-7.

TO COMMUNICATE WITH: SCR-284; SCR-511; SCR-556.

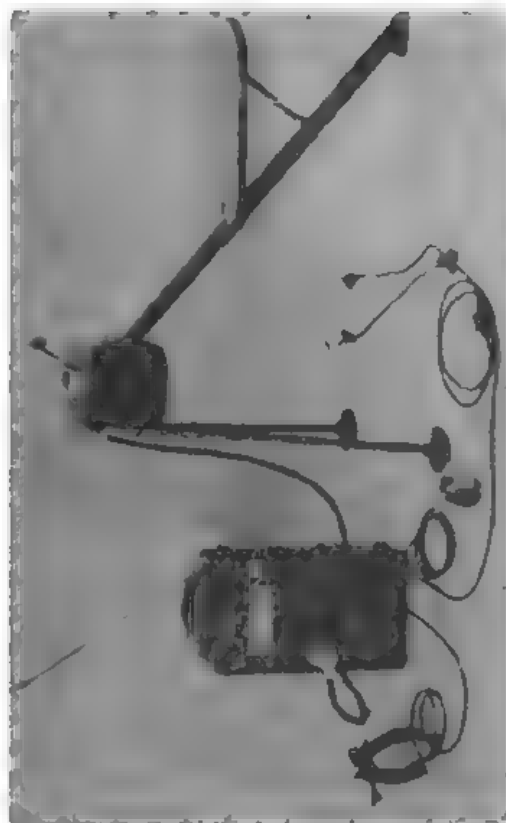
TO REPLACE IN PART: SCR-284.

TRANSPORTATION: VEHICLE OR MAN PORT.

TYPE OF SIGNAL: CW; VOICE (AM).

PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION RESTRICTED)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
TRANS. & RECV. BC-1306 VIBRATOR UNIT PE-237 GENERATOR GH-57	14 1/2"	9"	4 - 5"	27# (RECV. & TRANS. ONLY)	
COMBINED WEIGHT OF COMPONENTS					
COMBINED VOLUME					
SHIP TONNAGE					

COMPONENTS OF RADIO SET SCR-694, SET UP FOR FIELD OPERATION
SHOWING GENERATOR AND STEEL TAPES ANTENNA.

THIS SHEET IS CLASSIFIED: RESTRICTED

SCR-645		NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:	INSTRUCTIONAL LITERATURE			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MC) 100-175 NUMBER OF CRYSTALS: 4 IN BC-624; 4 IN BC-625; 5 IN BC-638. PRESET FREQUENCIES: 4 EACH RECEIVING AND TRANSMITTING. ANTENNA: ROTATABLE AEROBIC D/F WITH GEAR FACILITIES. TUNING: (NO OR XTAL) XTAL ON COMMUNICATIONS R&T. VARIABLE ON D/F RECEIVER. SENSITIVITY: 2-3 MICROVOLTS/METER. SELECTIVITY: 2 TIMES DOWN LESS THAN 100 KC. 1000 TIMES DOWN MORE THAN 350 KC. POWER SOURCE: POWER UNIT PE-99 AND STORAGE BATTERIES, ALSO COMMERCIAL POWER 110 VOLT 2 WIRE. SIMILAR SETS: SCR-546 AND SCR-575 POWER OUTPUT: (WATTS) COMMUNICATIONS TRANSMITTER 6 (SEE NOTE) TUBES: (TYPE AND NUMBER) BC-623; 1-6347; 1-6348T; 1-9002; 1-9003; 1-6387; RA-42; 1-5448; BC-638; 1-9002; 2-9003; 1-5448; 1-6347; 1-6348; BC-624; 1-9002; 1-9003; 1-12J50T; 1-1228; 1-12AH70T; 1-12587; BC-625; 2-832; 3-12A6; 1-6360; 2-6337; BC-637; 1-25160T; RC-93; 1-958; 1-1250T.			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: MOBILE DIRECTION FINDING STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCR-3. USED AS D/F STATION FOR OBTAINING BEARINGS ON AIR- CRAFT EQUIPPED WITH RADIO SET SCR-522 FOR PURPOSES OF MONITORING AND D/F PLOTTING. RANGE: (MILES) MINIMUM OF 155 MILES WITH AIRCRAFT AT 10,000 FT. TO COMMUNICATE WITH: CONTROL SET SCR-572 OR SCR-642. RADIO SET SCR-573 OR SCR-643 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH SCR-522. TO REPLACE IN PART: NONE TRANSPORTATION: FIXED. TYPE OF SIGNAL: RECEIVED VOICE, TONE MODULATED AND CW. TRANSMITS VOICE MODULATION.			CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)									
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION				
	HEIGHT	WIDTH	DEPTH						
2 RECEIVERS BC-639 EACH	10 1/2"	19"	13 1/2"	364					
2 RECTIFIERS RA-42 EACH	7"	19"	6 1/2"	264					
1 FREQUENCY METER BC-638	11 1/2"	19"	7"	350					
1 RECEIVER BC-624	6"	15 1/2"	5"	16 1/2"					
1 TRANSMITTER BC-625	6"	15 1/2"	5"	16 1/2"					
1 ANTENNA EQUIPMENT RC-133	10 1/2"	9"	6 3/4"	150					
1 OSCILLATOR TEST EQUIPMENT RC-93	15"	19"	9"	364					
1 DYNAMOTOR UNIT PE-99	7"	19"	6"	264					
1 FUSE PANEL PM-15	2 1/2"	19"	6 5/8"	154					
1 FUSE PANEL PM-5	6"	19"	10 1/2"	258					
1 DYNAMOTOR UNIT PE-100	6"	19"	8 3/4"	168					
1 CONTROL UNIT RM-18	6"	19"	12 1/2"	168					
1 CONTROL PANEL PM-25	6"	19"	12 1/2"	168					
1 RELAY UNIT BC-687	6"	19"	12 1/2"	168					
1 TOWER TR-17	24"	12 BORED	198 3/4" OVER	21,116					
1 SHELTER MO-3	24"	60"	72"	626					
COMBINED WEIGHT OF COMPONENTS.				24,000#	APPROXIMATELY				
COMBINED VOLUME OF COMPONENTS.				2,200	CU. FT. APPROX.				
SHIP TONNAGE.				12 Ton	APPROXIMATELY				

 RADIO RECEIVER BC-624, RADIO TRANSMITTER BC-625
 SHOWING PROCEDURE OF REMOVING CASE.

 RADIO SET SCR-645 IS THE SAME AS SCR-575 EXCEPT HOUSED IN TOWER TR-17.
 INSTEAD OF IN VEHICLE. A QUANTITY OF SCR-575 SETS WERE DEMOBILIZED AS
 SCR-645 AT THE REQUEST OF THE ARMY AIR FORCES.

 FREQUENCY METER BC-638, FRONT VIEW
 SHOWING CRYSTAL COMPARTMENT COVER REMOVED.

FUSE PANEL PM-15, FRONT VIEW

RECTIFIER RA-42, FRONT VIEW

SCR-644

INSTRUCTIONAL LITERATURE

STATUS

STANDARD
20 Nov 43NOTE SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION.NOMENCLATURE
DESIGNATION:CHANGE IN
STATUSPART A - TECHNICAL CHARACTERISTICS
(CLASSIFICATION: **RESTRICTED**)

FREQUENCY RANGE: (MD) 100-156

NUMBER OF CRYSTALS: 2 IN USE (FULL COMPLEMENT TO
BE DETERMINED BY AAF).PRESET FREQUENCIES: VARIABLE (DIAL SETTING OPER-
ED WITH CRYSTAL CONTROLLER FREQUENCY METER.)

ANTENNA: VERTICAL DIPOLE MOUNTED ON 76' MAST.

TUNING: (NO ON XTAL)

SENSITIVITY: 2-3mV/METER AT 50 MH SIGNAL RATIO
10 TO 1.SELECTIVITY: 2 TIMES DOWN LESS 100 Kc. 1000
TIMES DOWN MORE 350 Kc.POWER SOURCE: POWER UNIT PE-59 (7 1/2 KVA 110V 3
PHASE 60 CYCLE); ALSO HAS PROVISIONS FOR USING
COMMERCIAL POWER FROM A 110V 2 WIRE SYSTEM.

SIMILAR SETS: RECEIVER STATION OF SCR-567.

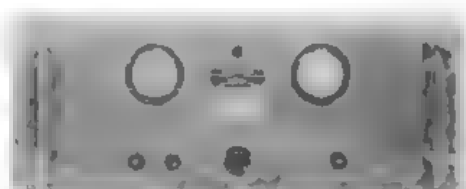
POWER OUTPUT: (WATT) RECEIVER BC-639 1 WATT
DISTORTED $\pm 10\%$ DISTORTION.TUBES: (TYPE AND NUMBER) BC-638; 1-68K7; 1-9002;
2-9003; 1-5V4G; 1-6L5G; 1-6E5; BC-639; 1-9002;
3-9003; 1-63Q7; 1-6K6GT; 4-63Q7; BC-686; 3-25L6;
RA-42; 1-5V4G.PART B - TACTICAL CHARACTERISTICS
(CLASSIFICATION: **RESTRICTED**)USE: TWO CHANNEL RECEIVER STATION FOR GROUND
CONTROL OF INTERCEPTOR PURSUIT OPERATIONS.
PART OF CONTROL NET SYSTEM BOS-3.RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT
AT 10,000 FT.TO COMMUNICATE WITH: CONTROL SET SCR-572 OR
SCR-642, RADIO SET SCR-573 OR SCR-643 BY
TELEPHONE AND BY RADIO WITH FIGHTER AIR-
CRAFT EQUIPPED WITH SCR-522.

TO REPLACE IN PART:

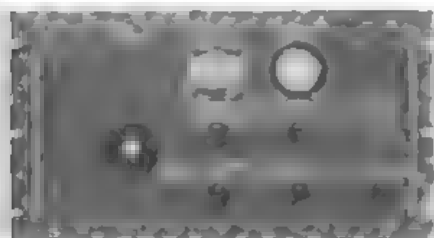
TRANSPORTATION:

TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED
AND CW.PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION: **RESTRICTED**)

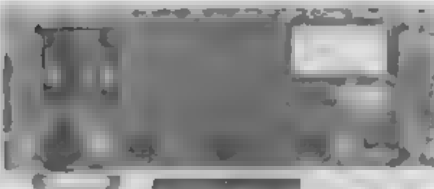
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
2 RECEIVERS BC-639 EACH	10 1/2"	19"	13 1/2"	36	RESTRICTED
2 RECTIFIERS RA-42 EACH	7	19	8 1/2	26	RESTRICTED
1 FREQUENCY METER BC-638	11 1/2	19	7	35	RESTRICTED
2 CONTROL UNITS RM-18 EACH	5	19	8 3/4	16	RESTRICTED
2 AMPLIFIER BC-686	12	19	11	36	RESTRICTED
1 FUSE PANEL PN-15	5	19	5	26	RESTRICTED
1 FUSE PANEL PN-5	2 1/2	19	4 5/8	15	RESTRICTED
2 FRAMES FM-39 EACH	72	20	3	121	RESTRICTED
1 ANTENNA AN-86	25' 00" FT.	5' 00" FT.	APPROX.	743	RESTRICTED
2 ANTENNA EQUIPMENT BC-81	12	28 1/2	38 1/2	4	RESTRICTED
COMBINED WEIGHT OF COMPONENTS				2,500	APPROX.
COMBINED VOLUME				400 CU. FT.	APPROX.
SHIP TONNAGE				1 1/4 T	APPROX.



RECTIFIER RA-42. FRONT VIEW



RADIO RECEIVER BC-639. FRONT VIEW

FREQUENCY METER BC-638. FRONT VIEW SHOWING
CRYSTAL COMPARTMENT COVER REMOVED

RADIO SET SCR-644 IS THE SAME AS SCR-574 EXCEPT HOUSED IN BUILD-
INGS NOT PART OF THE RADIO SET. A QUANTITY OF RADIO SETS SCR-574
WAS DEMOBILIZED AS RADIO SETS SCR-644 AT THE REQUEST OF THE AAF.

THIS SHEET IS CLASSIFIED: **RESTRICTED**

SCR-643		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:	STANDARD 20 Nov 43	INSTRUCTIONAL LITERATURE		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MC) 100-156 NUMBER OF CRYSTALS: 2 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF). PRESET FREQUENCIES: 2 ANTENNA: VERTICAL DIPOLE MOUNTED ON 76' MAST. TUNING: (NO ON XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PE-99 (7 1/2 KVA 110V 60 CYCLE 3 PHASE); ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: TRANS. STATION OF SCR-567. POWER OUTPUT: (WATTS) 50 TUBES: (Type and Number) SCR-643 Uses: 16-225 2-606 8-415 2-88 6-1613 1-88L 1-811 1-3AP1/506PI 2-807 2-6X5 GT 10-NK2L 1-6 X 5 BT.			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: TWO CHANNEL TRANS. STATION FOR THE BROWNS CONTROL OF INTERCEPTOR PURSUIT OPERATION. PART OF CONTROL NET SYSTEM SCS-3. RANGE: (MILES) MINIMUM OF 155 MILES WITH AIRCRAFT AT 10,000 FT. TO COMMUNICATE WITH: CONTROL SET SCR-572 OR SCR-642, RADIO SET SCR-574 OR SCR-644, SCR-575 OR SCR-645 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: TYPE OF SIGNAL: TRANSMITS VOICE AND MCR.			CHANGE IN STATUS:				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)										
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION				
		HEIGHT	WIDTH	DEPTH						
2 TRANS. BC-640		72"	21"	20"	595	RESTRICTED				
1 CONTROL UNIT RA-27		11 3/8	19	10 1/2	29	RESTRICTED				
1 ANTENNA AN-86		PACKED IN 5 PACKAGES APPROX.			743	RESTRICTED				
2 ANTENNA EQUIP. NC-81		12	28	38	4	RESTRICTED				
COMBINED WEIGHT OF COMPONENTS					3,000# APPROX.					
COMBINED VOLUME					450 CU. FT. APPROX.					
SHIP TONNAGE					1 1/2 T APPROX.					

RADIO TRANSMITTER BC-640
 REAR VIEW OF INTERIOR
 ASSEMBLY

ANTENNA AN-86 FOR USE WITH
 NET CONTROL SYSTEM, SCS-5.
 (SHOWING MAST ERECTED)

SAME AS RADIO SET SCR-573 EXCEPT HOUSED IN BUILDING NOT PART OF THE RADIO SET. A QUANTITY OF RADIO SET SCR-573 WAS DEMOBILIZED TO RADIO SET SCR-643 AT THE REQUEST OF THE AAF. THIS SET CONTAINS 2 TRANSMITTERS BC-640 FOR SIMULTANEOUS OPERATION. SIMILAR IN OPERATION TO RADIO SET SCR-562 EXCEPT THAT IT CONTAINS 2 TRANSMITTERS BC-640 INSTEAD OF 6.

THIS SHEET IS CLASSIFIED: **RESTRICTED**

SCR-642

INSTRUCTIONAL LITERATURE:

STATUS:

STANDARD
20 Nov 43NOTE: SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION.NOMENCLATURE
DESIGNATION:CHANGE IN
STATUS:**PART A - TECHNICAL CHARACTERISTICS**
(CLASSIFICATION: **RESTRICTED**)FREQUENCY RANGE: (MHz) THE CONTROL SET SCR-642
IS AN OPERATIONS BLOCK OF A FIGHTER CONTROL
SYSTEM AND CONTAINS NO RADIO EQUIPMENT.

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES: NONE

ANTENNA: NONE

TUNING: (MO OR XTAL) NONE

SENSITIVITY: SELECTIVITY:

POWER SOURCE: POWER UNIT PB-99 (15 KVA 110V 3
PHASE 60 CYCLE) ALSO HAS PROVISIONS FOR USING
COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.

SIMILAR SETS: CONTROL SET SCR-572.

POWER OUTPUT: (WATTS)

TUBES: (TYPE AND NUMBER) 3-80-487; 12-2516.

PART B - TACTICAL CHARACTERISTICS
(CLASSIFICATION: **RESTRICTED**)USE: CONTROL SET USED AS AN OPERATIONS BLOCK WHICH
PROVIDES THE NECESSARY CONTROL EQUIPMENT AND
AUXILIARIES TO PERMIT SIMULTANEOUS OPERATIONAL
CONTROL OF UP TO TWO (2) AIRCRAFT SQUADRON
FOR AIRCRAFT CONTROL OF INTERCEPTOR PURSUIT
OPERATIONS.RANGE: (MILES) MINIMUM OF 135 MILES WITH AIRCRAFT
AT 10,000 FT.TO COMMUNICATE WITH: RADIO SET SCR-573 OR
SCR-643, SCR-574, OR SCR-644, SCR-575 OR
SCR-645 BY TELEPHONE AND BY RADIO WITH
FIGHTER AIRCRAFT EQUIPPED WITH SCR-522.

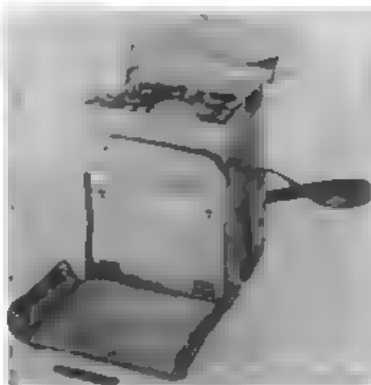
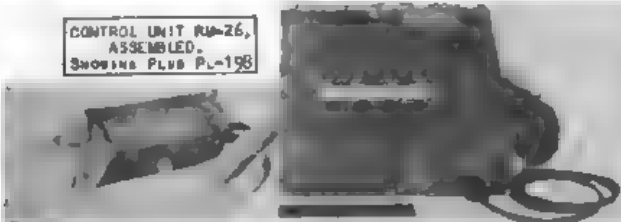
TO REPLACE IN PART:

TRANSPORTATION:

TYPE OF SIGNAL:

PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION: **RESTRICTED**)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
3 CONTROL UNITS RM-25 EACH	20 "	11 1/4"	11 1/4"	44#	
2 CONTROL UNITS RM-26 EACH	11 7/8"	9 "	8 "	20#	
1 CONTROL UNIT RM-28	14 1/2"	12 "	7 "	35#	
3 SWITCHBOARD BO-72 EACH	12 "	12 "	24 "	68#	
20 TELEPHONE REPEATERS EE-99	8 "	14 1/2"	11 1/2"	67#	
3 RELAY UNIT BO-687	9"	12 1/2"	9"	35#	
COMBINED WEIGHT OF COMPONENTS				4,000#	
COMBINED VOLUME				200 cu. ft.	
SHIP TONNAGE				2T	

(LEFT)
CONTROL EQUIPMENT
FOR SCR-642.(ABOVE)
TELEPHONE REPEATER EE-99. CASE COVERS
OPEN SHOWING CONTROL PANEL AND BATTERY
COMPARTMENT DOORCONTROL UNIT RM-26,
ASSEMBLED.
SHOWING PLUS PL-198RADIO SET SCR-642 IS THE SAME AS CONTROL SET SCR-527 EXCEPT THAT
IT IS HOUSED IN FIXED BUILDINGS NOT PART OF THE SET.

PAGE 110

INSTRUCTIONAL LITERATURE	STATUS	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION																																																																					
	CHANGE IN STATUS		SCR-634																																																																					
		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mo) 100 - 156 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: By Receiver Calibration Dial. TRANSMITTER BC-655 (Target). ANTENNA: Adcock-Directional D/F with Sensing. TUNING: (MO OR XTAL) VARIABLE. SENSITIVITY: 2-3 Microvolts/Meter at 50 MHZ SELECTIVITY: 2 TIMES DOWN LESS 100 KHZ, 1,000 TIMES DOWN MORE THAN 350 KHZ. POWER SOURCE: POWER UNIT PE-75 2.5 KVA, 110 VOLT SINGLE PHASE 60 CYCLES OR POWER UNIT PE-214, 500 WATT 120 VOLTS, SINGLE PHASE 60 CYCLE (Both Gasoline Eng. Req.). SIMILAR SETS: SCR-565 POWER OUTPUT: (WATTS) 1 (Distorted) 1/2 (10% Distort. On). TUBES: (Type and Number) Receiver BC-659: 1 6SQ7, 1 6AR6GT, 1 9002, 3 9003, 4 6807 Rectifier RA-42: 1 5V4B Transmitter BC-655 (Target): 1 958, 1 1A5GT	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: Radio Set SCR-634-A is an air transportable self-contained field operated radio direction finder (D/F) station used primarily with other units of the same kind as a fixed D/F station or as a home D/F station when Radio Set SCR-634 is added. All equipment is housed in Shelter MO-34-A. RANGE: Determined by output of Adcock Transmitter. TO COMMUNICATE WITH: Fighter Aircraft Equipped with Radio Set SCR-522 TO REPLACE IN PART: TRANSPORTATION: Designed as an Air Transportable VHF Direction Finder Station. TYPE OF SIGNAL: Receiver Voice, Tone Modulated Signal and C.W.																																																																					
		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																																						
		<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>1 RECEIVER BC-659</td> <td>10 1/2"</td> <td>19"</td> <td>15 1/4"</td> <td>36#</td> <td></td> </tr> <tr> <td>1 RECTIFIER UNIT RA-42</td> <td>7 "</td> <td>19"</td> <td>8 1/2"</td> <td>26#</td> <td></td> </tr> <tr> <td>1 ANTENNA EQUIPMENT BC-155-B</td> <td></td> <td></td> <td></td> <td>298#</td> <td></td> </tr> <tr> <td>1 TRANSMITTER BC-655 (Target)</td> <td>10 1/2"</td> <td>9"</td> <td>6 3/4"</td> <td>13#</td> <td></td> </tr> <tr> <td>1 POWER UNIT PE-75 OR PE-214</td> <td>40 "</td> <td>19"</td> <td>27 1/2"</td> <td>300#</td> <td></td> </tr> <tr> <td>1 SHELTER MO-34</td> <td>64 "</td> <td>90"</td> <td>84 "</td> <td>625#</td> <td></td> </tr> <tr> <td>1 CONTROL UNIT RM-38</td> <td>7 3/4"</td> <td>6 1/2"</td> <td>6 "</td> <td>5.5#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS</td> <td>1,035 #</td> <td>(APPROXIMATE)</td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS</td> <td>571 Cu. Ft.</td> <td>(APPROX.)</td> </tr> <tr> <td colspan="4">SHIP TONNAGE</td> <td>1,035 A</td> <td>TRANSPORTABLE 1 TON WHEN EXPORT PACKED</td> </tr> </tbody> </table>	ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	1 RECEIVER BC-659	10 1/2"	19"	15 1/4"	36#		1 RECTIFIER UNIT RA-42	7 "	19"	8 1/2"	26#		1 ANTENNA EQUIPMENT BC-155-B				298#		1 TRANSMITTER BC-655 (Target)	10 1/2"	9"	6 3/4"	13#		1 POWER UNIT PE-75 OR PE-214	40 "	19"	27 1/2"	300#		1 SHELTER MO-34	64 "	90"	84 "	625#		1 CONTROL UNIT RM-38	7 3/4"	6 1/2"	6 "	5.5#		COMBINED WEIGHT OF COMPONENTS				1,035 #	(APPROXIMATE)	COMBINED VOLUME OF COMPONENTS				571 Cu. Ft.	(APPROX.)	SHIP TONNAGE				1,035 A	TRANSPORTABLE 1 TON WHEN EXPORT PACKED	
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THIS SHEET IS CLASSIFIED: RESTRICTED

SCR-633		NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	INSTRUCTIONAL LITERATURE:
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		CHANGE IN STATUS	
FREQUENCY RANGE: (Mc) 100-156 NUMBER OF CRYSTALS: 6 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF). PRESET FREQUENCIES: 6 RECEIVERS, BC-639 CONTAINED IN SCR-563 ARE NOT CRYSTAL CONTROLLED BUT ARE CALIBRATED BY MEANS OF THE FREQUENCY METER BC-638. THE FREQUENCY METER IS SET UP FOR 5 CRYSTALS WHICH ARE SELECTED BY MEANS OF A 5-POINT SWITCH. 1 XTAL IS NEEDED FOR EACH FREQUENCY. ANTENNA: VERTICAL DIPOLE MOUNTED ON 90° MAST. TUNING: (MC OR XTAL) VARIABLE SENSITIVITY: 2-3 v/METER 50 MW OUTPUT. SELECTIVITY: 2 TIMES DOWN LESS 100 Kc. 1000 TIMES DOWN MORE 350 Kc. POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V 3 PHASE 60 CYCLE); ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: SCR-563 POWER OUTPUT: (WATTS) 1 (DISTORTED) ± 10% DISTORTION. TUBES: (TYPE AND NUMBER) RECEIVING SET FOR SCR-2. 6 BC-639-A; 18 9003; 6 9002; 2 6367; 6 6K6G1; 6 6307. 1 BC-638-A; 1 5W4; 1 9002; 2 9003; 1 6L56; 1 6E5; 1 6SK7. 6RA-42-A; 6 5Y4G.			USE: THE RADIO RECEIVING STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCR-2. PROVIDES 5 CHANNELS OF RADIO RECEIVING. RANGE: (MILES) DETERMINED BY OUTPUT OF AIRBORNE TRANSMITTER. TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED SIGNAL AND CW.			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)						
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	
	HEIGHT	WIDTH	DEPTH			
6 RECEIVERS BC-639 (1 SPARE)	10 1/2"	19"	13 1/4"	34#		
1 CONTROL UNIT RM-23	5"	19"	8 1/2"	18#		
8 ANTENNA EQUIPMENT RC-81	12"	28 1/2"	38 1/2"	4#		
1 POWER UNIT PE-99	55"	28"	30"	1500#		
1 FREQUENCY METER BC-638	11 1/2"	19"	7"	35#		
6 RECTIFIER UNITS RA-42E (1 SPARE)	7"	19"	8 1/2"	26#		
3 SOCKET PANEL PM-4	10 1/2"	19"	3 1/8"	7#		
1 FUSE PANEL PM-15	5"	19"	5"	21#		
4 ANTENNA AN-56 EACH MADE UP:	188"	43 1/2"	25 3/4"	2000#		
Box 1	76 1/2"	91 1/2"	23 1/2"	667#		
Box 2	13 1/2"	5 1/2"	16 1/2"	190#		
Box 3	35 1/2"	26 1/2"	17 1/2"	490#		
Box 4	36 5/8"	24 3/4"	17 1/2"	495#		
Box 5						
COMBINED WEIGHT OF COMPONENTS				19,500#		
COMBINED VOLUME OF COMPONENTS				700 cu. ft.		
SHIP TONNAGE				9 3/4 T.		



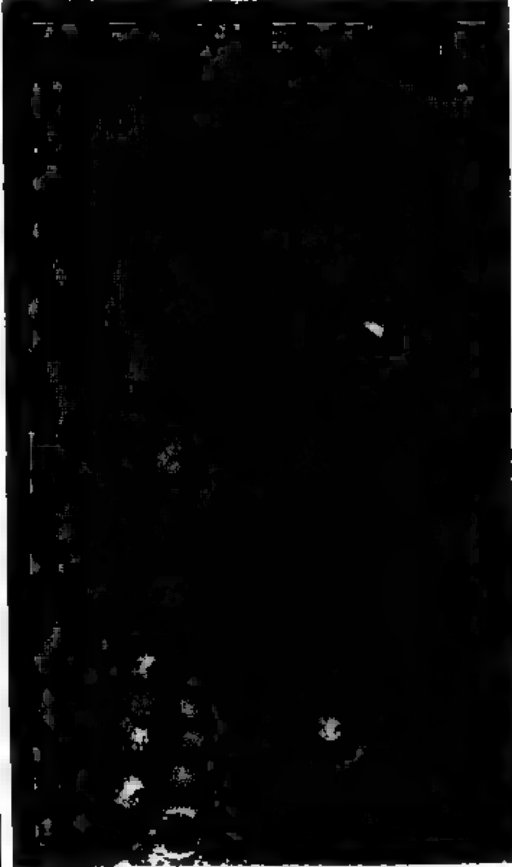
Showing Front 3/4 View of Radio Receiving Equipment and Communications Panel Installed in Support Station
 SCR-633
 RADIO SET SCR-633 PART OF CONTROL NET SYSTEM SCR-2
 Showing Front 3/4 View of Radio Receiving Equipment and Communications Panel Installed in Support Station
 SCR-633
 RADIO SET SCR-633 PART OF CONTROL NET SYSTEM SCR-2

THIS SHEET IS CLASSIFIED: RESTRICTED

THIS SHEET IS CLASSIFIED: **RESTRICTED**

(AIRCRAFT RADIO: FIGHTER CONTROL.)

INSTRUCTIONAL LITERATURE:	STATUS:		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-632	
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 100 - 156 NUMBER OF CRYSTALS: 5 IN USE (FULL CRYSTAL COMPLEMENT WILL BE DETERMINED BY AAF). PRESET FREQUENCIES: 5 ANTENNA: VERTICAL DIPOLE MOUNTED ON 90' MAST. TUNING: (MC OR XTAL) XTAL. SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PE-99 (72 KVA 110V 3 PHASE 60 CYCLE); ALSO PROVISION FOR USING COMMERCIAL POWER FROM 110V 2 WIRE SERVICE. 3 MILAR SETS: SCR-562 POWER OUTPUT: (WATTS) 50 (APPROXIMATELY) TUBES: (TYPE AND NUMBER) 6-6C-640 TRANS 8 EACH, (4B) 523; 4 EACH (24) 6J5; 3 EACH (18) 1613; 2 EACH (12) 811; 1 EACH (6) 807; 5 EACH (30) NK24D, 1-Oscilloscope RCA #155; 1-JAP1/906P1; 2-606; 2-60; 1-884. 1-VOLT CHRYST. RQA-165; 2-6K6GT; 1-6K5GT.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: VHF RADIO TRANSMITTING STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCR-52. PROVIDES 5 INDEPENDENT CHANNELS OF RADIO TRANSMISSION. RANGE: (MILES) 135 MILES WITH AIRCRAFT AT AN ALTITUDE GREATER THAN 10,000 FT. TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT (EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: TYPE OF SIGNAL: VOICE AND MCB.



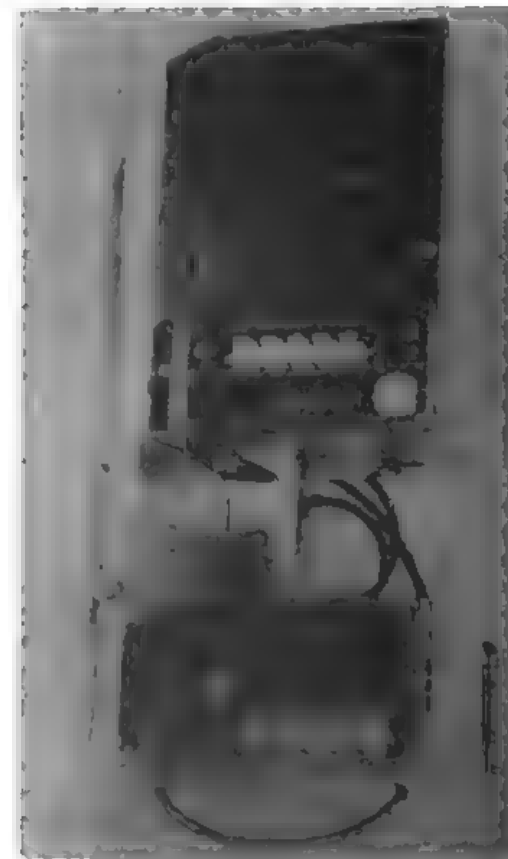
RADIO SET SCR-632. PLAN OF CONTROL NET SYSTEM SCR-52. INTERIOR VIEW, SHOWING
SIX RADIO TRANSMITTERS BC-640, AND MONITORING EQUIPMENT RC-80 INSTALLED IN BUSEOUT.
SAME AS RADIO SET SCR-562 EXCEPT MOUNTED IN FIXED BUILDINGS NOT PART OF THE RADIO SET. A
QUANTITY OF SCR-562 SETS WERE DEMONSTRATED AS SCR-632 AT THE REQUEST OF THE AAF.
SIX (6) INCOMING WIRE LINES ARE BROUGHT INTO THE CONTROL UNIT RM-27 (MONITOR UNIT) AND
THENCE TO THE INPUT OF THE TRANSMITTER BC-640. THE RM-27 HAS PROVISION FOR MONITORING
THE INCOMING LINES TO THE 6 TRANSMITTERS, MONITORING AND ADJUSTING THE VOLUME OF THE IN-
COMING SIGNAL TO THE TRANSMITTER, AND INTERCOMMUNICATION WITH THE OPERATIONS BLOCK.

PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
6 TRANSMITTERS BC-640 (1 SPARE)	72"	21"	20"	515#	
2 CONTROL UNITS RM-27	19"	11 3/8"	10 1/2"	29#	
2 POWER UNITS PE-99	55"	28"	50"	1,600#	
8 ANTENNA EQUIPMENT RC-81	12"	28 5/8"	38 1/2"	4#	
4 ANTENNA AN-56 EACH MADE UP: BOX 1 BOX 2 BOX 3 BOX 4 BOX 5	188" 76 1/2" 13 1/2" 37 1/2" 36 5/8"	43 1/2" 91 1/2" 5 1/2" 26 1/2" 34 3/4"	25 5/8" 25 1/2" 14 1/4" 17 1/2" 17 1/2"	2,000# 667# 190# 1,900# 495#	
COMBINED WEIGHT OF COMPONENTS				21,500#	
COMBINED VOLUME OF COMPONENTS:				900 CU. FT.	
SHIP TONNAGE				12 1/4 T.	

THIS SHEET IS CLASSIFIED: **RESTRICTED**

PAGE 107

SCR-628		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		STANDARD 29 SEP 41		INSTRUCTIONAL LITERATURE TM 11-420	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MC) 27 - 36.9 NUMBER OF CRYSTALS: 120 PRESET FREQUENCIES: 50 INSTANTANEOUS SELECTION WHILE MOVING OR HALTED. ANTENNA: FISHPOLE TYPE, VEHICULAR. TUNING: (MC OR KTL) KTL SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 VOLT VEHICULAR BATTERY. SIMILAR SETS: SCR-528 (DIFFERENT FREQUENCY) SCR-608 NOT WITH ONLY ONE RECEIVER. POWER OUTPUT: (WATTS) 35 TUBES: (TYPE AND NUMBER) 1 6X4 - 1 6X5 1 6X4 - 1 6X5 2 12X47 1 6X4 - 1 6X5 1 6X4 1 6X4 - 1 6X5 1 6X4 - 1 6X5 2 6X47				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: CDS: SMOKE GEN CO; FA; AA AND AT BARRING AND CONTROL NETS, BR. C.P., FIRE CONTROL AND FIRE-DIRECTION NETS AND INTRA-BR COMMUNICATION. RANGE: (MILES) MOVING - 10 MILES; HALTED - 15 MILES TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-628. TO REPLACE IN PART: SCR-194; SCR-245. TRANSPORTATION: TRANSPORTED & OPERATED IN VEHICLE. TYPE OF SIGNAL: VOICE (FM)				CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)											
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
TRANS. SC-608 RECV. SC-608 MOUNTING FT-237 ANTENNA MAST BASE MP-48 REMOTE CONTROL UNIT RM-23.		14"	14.5"	34"	1900						
COMBINED WEIGHT OF COMPONENTS:											
COMBINED VOLUME:											
SHIP TONNAGE:											

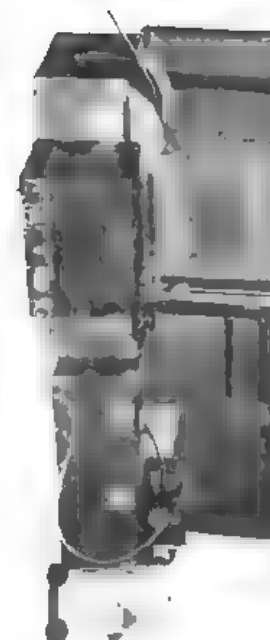
 FOR OPERATION ON VEHICULAR POWER BY PERSONNEL WHO ARE NOT RADIO SPECIALISTS.
 RADIO SET SCR-628


INSTRUCTIONAL LITERATURE	STATUS	STANDARD	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION																																																															
TM 11-112Z (SCR-625-A,B,C,D,E)	CHANGE IN STATUS	22 Sep 42		SCR-625																																																															
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (Mc) NUMBER OF CRYSTALS: PRESET FREQUENCIES: 1 Mc. ANTENNA: TUNING: (MD OR XTAL.) MD SENSITIVITY: SELECTIVITY: POWER SOURCE: 2 EA. BATTERY BA-30; 1 EA. BATTERY BA-38. SIMILAR SETS: NONE POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1EA. 104GT; 2 EA. VT-146 (1N50T)																																																																
			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: USED FOR DETECTING ANTI-TANK AND ANTI-PERSONNEL LAND MINES. RANGE: ABOUT 2 FT. TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: PORTABLE BY 1 MAN. TYPE OF SIGNAL: VISUAL INDICATION ON METER; AUDIBLE INDICATION IN RESONATOR COIL ON LEFT SHOULDER OF SCR.																																																																
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION) <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>AMPLIFIER BC-1141</td> <td>14"</td> <td>6"</td> <td>5"</td> <td>5#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>CHEST CH-156</td> <td>28 1/4"</td> <td>8 1/4"</td> <td>15"</td> <td>23#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>CONTROL BOX BC-1140</td> <td>7"</td> <td>7"</td> <td>5"</td> <td>3#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>HANDLE M-350</td> <td>28 1/2"</td> <td>1 1/8" DIAMETER</td> <td></td> <td>120#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>RESONATOR M-356</td> <td>3"</td> <td>3" DIAMETER</td> <td></td> <td>302.</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>SEARCH COIL C-446</td> <td>1"</td> <td>13" DIAMETER</td> <td></td> <td>3#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS</td> <td>38 1/2#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS</td> <td>28 1/4"</td> <td>8 1/4" 15" WHEN PACKED IN CH-156-</td> </tr> <tr> <td colspan="4">SHIP TONNAGE</td> <td></td> <td></td> </tr> </tbody> </table>					ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	AMPLIFIER BC-1141	14"	6"	5"	5#	UNCLASSIFIED	CHEST CH-156	28 1/4"	8 1/4"	15"	23#	UNCLASSIFIED	CONTROL BOX BC-1140	7"	7"	5"	3#	UNCLASSIFIED	HANDLE M-350	28 1/2"	1 1/8" DIAMETER		120#	UNCLASSIFIED	RESONATOR M-356	3"	3" DIAMETER		302.	UNCLASSIFIED	SEARCH COIL C-446	1"	13" DIAMETER		3#	UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS				38 1/2#		COMBINED VOLUME OF COMPONENTS				28 1/4"	8 1/4" 15" WHEN PACKED IN CH-156-	SHIP TONNAGE					
ITEM	DIMENSIONS			WEIGHT		CLASSIFICATION																																																													
	HEIGHT	WIDTH	DEPTH																																																																
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COMBINED VOLUME OF COMPONENTS				28 1/4"	8 1/4" 15" WHEN PACKED IN CH-156-																																																														
SHIP TONNAGE																																																																			

THIS SHEET IS CLASSIFIED: **RESTRICTED**

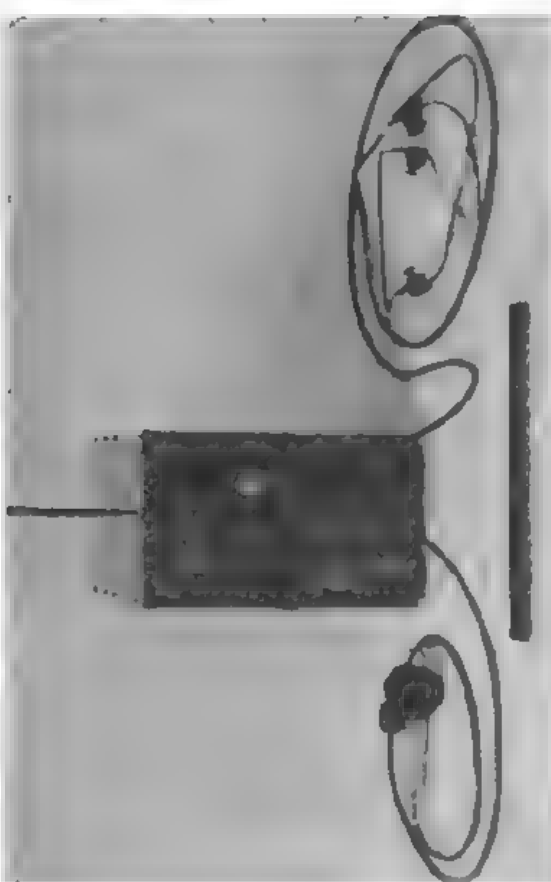
SCR-624		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		STANDARD 31 MAR 43		INSTRUCTIONAL LITERATURE (HMI) AN OR-10-105 (ON SCR-624-A)			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MC) 100 - 156 NUMBER OF CRYSTALS: 8 PRESET FREQUENCIES: 4 PRESET CHANNELS, BOTH TRANS. & RECV. ANTENNA: "J" ANTENNA OR 50 FT. MAST. TUNING: (MC OR XTAL) KTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: GASOLINE ENGINE DRIVEN GENERATOR 110 V. AC. SIMILAR SETS: USES SAME TRANSMITTER AND RECEIVER COMPONENTS AS SCR-522 AND SCR-542. POWER OUTPUT: (WATTS) 6 WATTS VOICE. TUBES: (TYPE AND NUMBER) 1-80-624A RECV.; 1-12J507; 1-12C8; 1-9003; 1-9003; 1-12X107; 3-12S07, 1-80 625A TRANS; 2-833; 3-12A6; 1-6060, 2-6587. <u>1-8A 62 RECTIFIER</u> 2-5060; 1-6x5 QT.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: POINT-TO-POINT ON GROUND, GROUND STATION ON GROUND-TO-AIR COMMUNICATIONS. RANGE: (MILES) LINE-OF-SIGHT, MAXIMUM OF 150 MILES GROUND-TO-AIR. TO COMMUNICATE WITH: SCR-522; SCR-542, AND SIMILAR VHF AIRCRAFT COMMAND SETS. TO REPLACE IN PART: TRANSPORTATION: AIR TRANSPORTABLE, AND TRUCKS. TYPE OF SIGNAL: VOICE				CHANGE IN STATUS					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)													
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION							
		HEIGHT	WIDTH	DEPTH									
1 CHEST CH-173-A		34"	16 3/4"	13 5/8"	194#								
1 CHEST CH-172-A		34"	16 3/4"	13 5/8"	205#								
1 CHEST CH-170-A		47 1/4"	14 3/8"	6 3/8"	61#								
2 ANTENNA MAST MM-7-A, CONSISTING OF:													
1 STRAP CRATE (50 FT. PLYWOOD MAST)		11'	16 1/2"	12"	152#								
1 STATE BOX		23 3/4"	16 3/4"	12 1/4"	121#								
1 SPARE PARTS BOX		27"	15 1/2"	11"	65#								
1 POWER UNIT PE-75		36"	19 1/2"	26 1/2"	322#								
COMBINED WEIGHT OF COMPONENTS:					1020 Lbs.								
COMBINED VOLUME OF COMPONENTS:													
SHIP TONNAGE													

RADIO SET SCR-624, SET UP FOR OPERATION.



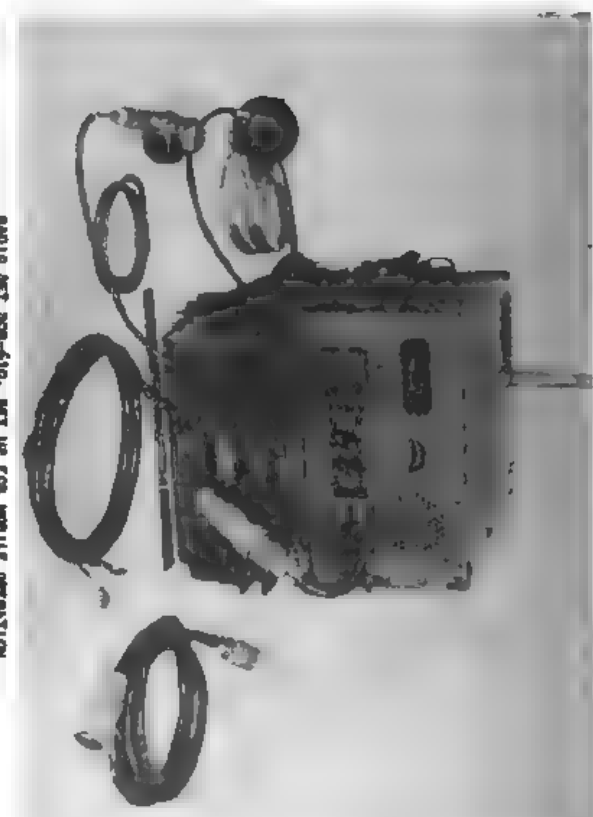
THIS SHEET IS CLASSIFIED: **RESTRICTED**

(GROUND SIGNAL EQUIPMENT; GROUND RADIO.)

INSTRUCTIONAL LITERATURE:	STATUS:	NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-619																																		
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																		
 RADIO SET SCR-619 SET UP FOR FIELD OPERATION. RADIO SET SCR-619 IS CLASSIFIED AS REQUESTED TYPE; DEVELOPMENT TYPE; LIMITED PRODUCTION TYPE, FOR PRODUCTION BY SERVICE TEST MODELS AFTER TEST OF EXPERIMENTAL LABORATORY MODELS SHOWN IN ILLUSTRATION.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																			
		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																			
		FREQUENCY RANGE: (MHz) 27 - 38.9 NUMBER OF CRYSTALS: 22 PRESET FREQUENCIES: 2 ANTENNA: TUNING: (NO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: SIMILAR SETS: SCR-609; SCR-610. POWER OUTPUT: (Watts) 2 TUBES: (Type and Number) 6X4 1 6X5 1 6X6 1 6X7 1 6X8 1 6X9 1 6X10 1 6X11 1 6X12 1 6X13 1 6X14 1 6X15 1 6X16 1 6X17 1 6X18 1 6X19 1 6X20 1 6X21 1 6X22 1	USE: FIELD ARTILLERY. RANGE: (Miles) APPROX. 5 TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-620. TO REPLACE IN PART: SCR-609; SCR-610. TRANSPORTATION: MAN CARRIED, ANIMAL PACK, OR FIELD ARTILLERY VEHICLE. TYPE OF SIGNAL: VOICE, (FM)																																		
		<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>(IN DEVELOPMENT STAGE - COMPONENTS NOT YET DEFINITELY DETERMINED)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td>250</td> <td></td> </tr> <tr> <td>COMBINED VOLUME</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SHIP TONNAGE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	(IN DEVELOPMENT STAGE - COMPONENTS NOT YET DEFINITELY DETERMINED)						COMBINED WEIGHT OF COMPONENTS:				250		COMBINED VOLUME						SHIP TONNAGE					
ITEM	DIMENSIONS			WEIGHT		CLASSIFICATION																															
	HEIGHT	WIDTH	DEPTH																																		
(IN DEVELOPMENT STAGE - COMPONENTS NOT YET DEFINITELY DETERMINED)																																					
COMBINED WEIGHT OF COMPONENTS:				250																																	
COMBINED VOLUME																																					
SHIP TONNAGE																																					

THIS SHEET IS CLASSIFIED: **RESTRICTED**

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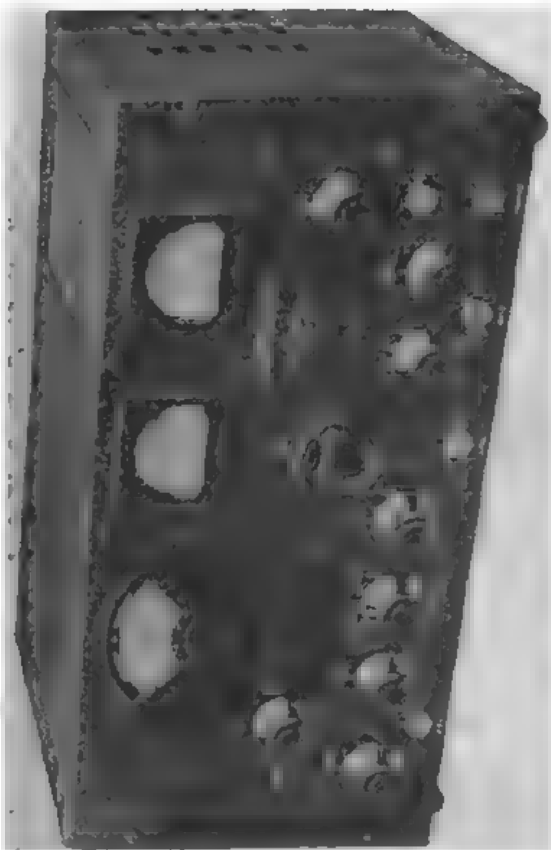
SCR-610		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:	STANDARD 29 Sep 41	INSTRUCTIONAL LITERATURE: TM 11-615-A		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MHz) 27.0 - 38.9 NUMBER OF CRYSTALS: 120 PRESET FREQUENCIES: Two pre-set XTAL controlled channels. ANTENNA: FISHPOLE TYPE. AM-29-D AND VEHICULAR UNIT. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERIES; POWER UNIT PE-117 SIMILAR SETS: SCR-609 (EXCEPT FOR ADDED POWER PACK) POWER OUTPUT: (WATTS) 2 TUBES: (TYPE AND NUMBER) 1 6C-655 VUWS; 5 1LW5; 2 12Y7; 4 12Y9; 1 10L4; 1 12X1; 1 10B6; 1 PE-117 USER; VR-90-30; 1 6X1005.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: COM: SMOKE GEN COS; FAS: LIAISON OFFICERS FORWARD OBSERVERS, AND FOR INTRA-BATTERY AND INTRA-GR. COMMUNICATION. RANGE: (MILES) 5 TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-628. TO REPLACE IN PART: SCR-161; SCR-194; SCR-284; SCR-288. TRANSPORTATION: TRANSPORTED & OPERATED IN VEHICLE OR CARRIED BY MAN ON FOOT. TYPE OF SIGNAL: Voice (FM)				CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)										
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	RADIO SET SCR-610, SET UP FOR MOBILE OPERATION 				
	HEIGHT	WIDTH	DEPTH							
RECVR. & TRANS. 6C-655										
PLATE SUPPLY UNIT PE-117										
MOUNTING FT-250										
REMOTE CONTROL UNIT RM-29										
CASE GS-79 (FOR BATTERIES).										
COMBINED WEIGHT OF COMPONENTS				177#						
COMBINED VOLUME				1.3 cu. ft.						
SHIP TONNAGE										

SCR-608		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:		STANDARD 29 SEP 41		INSTRUCTIONAL LITERATURE. TM 11-620	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (Mc) 27.0 - 38.9 NUMBER OF CRYSTALS: 120 PRESET FREQUENCIES: 10 (PUSH-BUTTON SELECTION) ANTENNA: FISHPOLE TYPE. TUNING: (MO OR XTAL) CRYSTAL. SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 OR 24 V. VEHICLE BATTERY WITH SYNCHROTORS. SIMILAR SETS: SCR-508- (EXCEPT FREQUENCY BAND) POWER OUTPUT: (WATTS) 35 TUBES: (Type and Number) 6C-683-(A) RECTR: 3 Type 6 AD-7; 1 Type 6J5; 3 Type 12 SG7; 1 Type 6H6; 1 Type 6V6GT; 3 Type 6 BL7GT. 6C-684-(A) TRANS: 7 Type 1619; 1 Type 1624.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: USED BY FIELD ARTILLERY, SIGNAL CORPS. RANGE: (MILES) 10 TO 15 VOICE. TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-628. TO REPLACE IN PART: SCR-161; SCR-284; SCR-194; SCR-288. TRANSPORTATION: VEHICLED. TYPE OF SIGNAL: FM; VOICE ONLY.				CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)											
ITEM		DIMENSIONS			WEIGHT		CLASSIFICATION				
		HEIGHT	WIDTH	DEPTH							
1 RADIO TRANS. 6C-684					67#						
2 RADIO RECV. 6C-683					70#(35#EA.)						
1 MOUNTING FT-237					4#						
1 REMOTE CONTROL UNIT RM-29					1#						
COMBINED WEIGHT OF COMPONENTS					306#						
COMBINED VOLUME											
SHIP TONNAGE											

RADIO SET SCR-608 SET UP FOR OPERATION
 VEHICULAR SET FOR OPERATION BY NON-RADIO SPECIALIST. INCLUDES THE
 CHANGELIN BY RADIO SET SCR-508 TO PERMIT COMMUNICATION WITH THE NON-
 OPER FORGE. REMOTE CONTROL.



INSTRUCTIONAL LITERATURE:	STATUS:	SUBSTITUTE STANDARD 27 MAY 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	INSTRUMENT DESIGNATION:	SCR-607
	CHANGE IN STATUS:				



FRONT VIEW OF RADIO RECEIVER SC-787. PART OF RADIO SET SCR-607.
RADIO SET SCR-607 IS A MODIFIED COMMERCIAL WALL/CHASSIS MODEL 8-27
OR 8-36 RADIO RECEIVER.

PART A - TECHNICAL CHARACTERISTICS
(CLASSIFICATION:)

FREQUENCY RANGE: (MHz) 27-- 145.

NUMBER OF CRYSTALS: None

PRESET FREQUENCIES: None

ANTENNA: 3 TUBES, HORIZONTAL DIAPHRAGM (1 FOR EACH OF THE 3 BANDS OF RECEIVER) MOUNTED ON 27-1/2" M.W.

TUNING: (NO OR XTAL) Does not apply

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 110V A.C.

SIMILAR SETS: None

POWER OUTPUT: (WATTS) Does not apply

TUBES: (TYPE AND NUMBER)

2 VT-90	1 VT-121
1 VT-94	1 VT-139
2 VT-107	1 VT-145
1 VT-112	1 VT-165
1 VT-117	1 VT-176
1 VT-120	1 VT-238

PART B - TACTICAL CHARACTERISTICS
(CLASSIFICATION:)

USE: An intercept receiver for monitoring purposes.

RANGE: Does not apply

TO COMMUNICATE WITH: Does not apply

TO REPLACE IN PART: None

TRANSPORTATION: Any Available Vehicle.

TYPE OF SIGNAL:

RECEIVES AS AND FM.

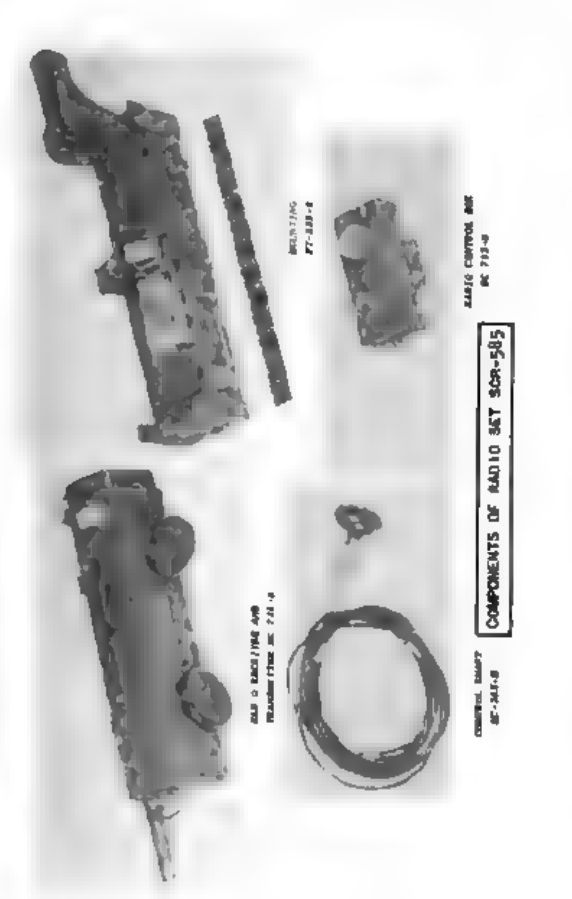
PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION:)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
RECEIVER SC-787	9 3/8"	19"	14"	45#	
ANTENNA RD-15L	36"	-----	-----	30#	
COMBINED WEIGHT OF COMPONENTS					
COMBINED VOLUME OF COMPONENTS					
SHIP TONNAGE					

SCR-593		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 19 Feb 44		INSTRUCTIONAL LITERATURE TM 11-899	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)				CHANGE IN STATUS:			
FREQUENCY RANGE: (MHz) 2.0 - 6.0 (RECEIVED ONLY) NUMBER OF CRYSTALS: None PRESET FREQUENCIES: 4 (SELECTED BY PUSH BUTTON) ANTENNA: VERTICAL ROD. AM-75-A. TUNING: (MD OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: SELF CONTAINED, SIMILAR TO OE PORTABLE RECEIVER MODEL LB-530 BB-54-A VIBRATOR VB-8 & VB-9. SIMILAR SETS: None POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 BC-725-A - 1 1R5 1 1S5 3 1T6 2 584				USE: CONTROL, MYID, MYC & COMBAT UNITS; CAG: AA, & BAR BLN UNITS. RANGE: (MILES) TO RECEIVE SIGNALS FROM SCR-543 UP TO 20 MILES. TO COMMUNICATE WITH: SCR-543 (SCR-593 RECEIVER ONLY) TO REPLACE IN PART: None TRANSPORTATION: CARRIED BY ONE MAN. TO BE OPERATED ON GROUND OR IN VEHICLE. TYPE OF SIGNAL: VOICE (AM)							
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)											
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
Receiver, BC-725		11 5/16"	8 5/8"	5 5/8"	15#						
COMBINED WEIGHT OF COMPONENTS:											
COMBINED VOLUME											
SHIP TONNAGE											

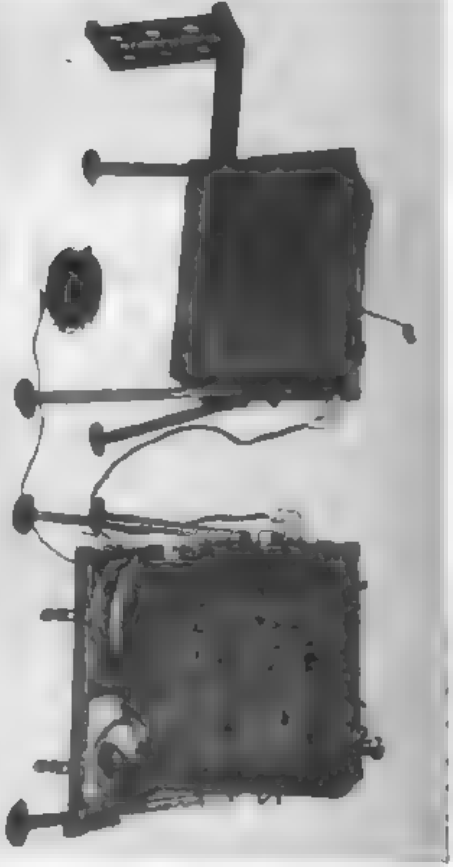
RADIO SET SCR-593 PREPARED FOR OPERATION

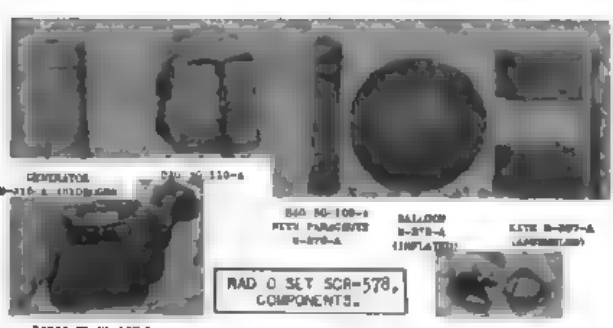
PORTABLE RADIO RECEIVER. ALERT ON WARNING SIGNALS. ADDRESSES BELT CONTAINED.

INSTRUCTIONAL LITERATURE: (H21) GB-10-125 (ON SCR-585-A)	STATUS	LIMITED STANDARD 2 Dec 43	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NUMERICAL DESIGNATION		
 RECEIVING FT-295-B ANTENNA MC-355-B CONTROL SHAFT MC-355-B COMPONENTS OF RADIO SET SCR-585			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (Mc) 3.5 - 6 (RECEPTION & TRANSMISSION) SEE REMARKS. NUMBER OF CRYSTALS: 2 PRESET FREQUENCIES: 1 EA. TRANSMITTING & RECEIVING ANTENNA: TELESCOPIC ANTENNA 39" LONG. TUNING: (MC OR KTA) CRYSTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: SELF CONTAINED - 4A BATTERY BA-37 (1.5 V), 4B BATTERY BA-38 (103.5 V). SIMILAR SETS: SCR-556 POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 - 6C - 721-A; 2 - 1R5 1 - 1T4; 2 - 584	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: DUAL PURPOSE RADIO RECEIVER AND TRANSMITTER, DESIGNED FOR TWO-WAY CONVERSATION. TO BE USED IN TOWER SLIDERS THEN TO BE REMOVED AND USED FOR GROUND COMMUNICATION. RANGE: (MILES) 100 FT TO 1 MILE. TO COMMUNICATE WITH: OTHER RADIO SETS SCR-585. TO REPLACE IN PART: TRANSPORTATION: ORIGINALLY FOR SLIDER-TOW PLANE INTERCOMMUNICATION (INSTALLED) TYPE OF SIGNAL: VOICE AND TONE MODULATED RECEPTION VOICE MODULATED TRANSMISSION.		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)						
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
RADIO RECEIVER AND TRANSMITTER 6C-721-B		6	5 1/2	17 1/16	5.0	
RADIO CONTROL BOX 6C-722-B		1 13/16	3 7/8	3 1/4	.87	
CONTROL SHAFT MC-355-B		---	---	---	.5	
MOUNTING FT-295-B		---	---	---	3.3	
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLE AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.						
COMBINED WEIGHT OF COMPONENTS:					11 1/2	APPROX.
COMBINED VOLUME:					2 CU. FT.	APPROX.
SHIP TONNAGE						

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

THIS SHEET IS CLASSIFIED UNCLASSIFIED

SCR-583		NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	STANDARD 5 Feb 43	INSTRUCTIONAL LITERATURE	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)		CHANGE IN STATUS			
FREQUENCY RANGE: (MC) 2.2 - 4.6 NUMBER OF CRYSTALS: 4 PRESET FREQUENCIES: 4 ANTENNA: "FISHPOLE" MOUNTING 6', STATIONARY 20'. TUNING: (MC OR XTAL) BOTH SENSITIVITY: SELECT VTY: POWER SOURCE: DRY BATTERY FOR RECVR. AND HAND GENERATOR FOR TRANS., OR VEHICLE BATTERY, 6 OR 12 V. FOR TRANSMITTER AND RECEIVER. SIMILAR SETS: POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 RECVR. - 4 1R5 1 TRANS. - 1 1S4 1 1S5 1 1S-70 1 1R-90-30 4 1T4 1 1S4			USE: DAY, NIGHT, MESS, & HORSE FOR UNITS. RANGE: (MILES) 35 MILES ON LOW POWER CW, MAXIMUM 60 MILES ON HIGH POWER CW. TO COMMUNICATE WITH: TO REPLACE IN PART: SCR-203 TRANSPORTATION: HORSE PACK OR VEHICLE. TYPE OF SIGNAL: CW; VOICE (AM)		RADIO SET SCR-583 - PREPARED FOR FIELD OPERATION TO PROVIDE FOR CW OPERATION ON LOW AND HIGH POWER, AND VOICE OPERATION ON LOW POWER ONLY. 			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)								
ITEM	DIMENSIONS HEIGHT WIDTH DEPTH			WEIGHT				CLASSIFICATION
RADIO RECVR. & TRANS. BC-1209 POWER UNIT PE-152 POWER CONVERTER UNIT PE-154 GENERATOR GN-54								UNCLASSIFIED
COMBINED WEIGHT OF COMPONENTS				120#				
COMBINED VOLUME				21 cu. ft.				
SHIP TONNAGE								

INSTRUCTIONAL LITERATURE AM 08-10-94	STATUS	STANDARD 1 Feb 47	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION																																																																																													
			SCR-578																																																																																														
CHANGE IN STATUS																																																																																																	
 GENERATOR M-315-A (HYDROGEN) BALLOON M-275-A (INFLATING) KITE M-277-A (APPROXIMATE) HAND CRANK GC-10-A SIGNAL LAMP M-308-B RADIO SET SCR-578, COMPONENTS.			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MHz) INTERNATIONAL DISTRESS FREQUENCY .500 MODULATED AT 1000 OPS. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: PRETUNED TO .500 MHz. ANTENNA: 300 FT. ANTENNA WIRE M-148, UNCOIL ON REEL M-448 AND RAISED BY BALLOON M-275-A OR KITE M-277-A. TUNING: (NO OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: BUILT-IN GENERATOR, OPERATES BY HAND CRANK GC-10-A. SIMILAR SETS: CAPTURED GERMAN "NOT-SENDER". POWER OUTPUT: (WATTS) 4.8 TUNES: (TYPE AND NUMBER) 1 - BC 778-B TRANS 1 - 12-A-6 1 - 12-SC-7																																																																																														
 LIFE RAFT COMPLETE WITH RADIO SET SCR-578			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: PORTABLE TRANSMITTER USED IN RUBBER DINGHIES FOR SEA-RESCUE PURPOSES. SHAPED TO FIT BETWEEN THE KNEES OF AN OPERATOR. IT IS WATER-TIGHT AND WILL FLOAT. RANGE: (MILES) 200 (TO AIRCRAFT AT 3000 FT). TO COMMUNICATE WITH: SCR-187, SCR-287, RADIO COMPASS SCR-289. TO REPLACE IN PART: TRANSPORTATION: AIRCRAFT (PORTABLE TRANS. USED FOR SEA-RESCUE). TYPE OF SIGNAL: MCH (1000 OPS) AUTOMATIC S.O.S. AND MANUAL KEYING ON FIXED DISTRESS FREQUENCY .500 MHz.																																																																																														
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION) <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>2 ROLLS - 300 FT. EA ANTENNA WIRE M-148</td> <td>---</td> <td>---</td> <td>---</td> <td>1.1</td> <td></td> </tr> <tr> <td>1 BAG - HOUSING FOR ACCESSORIES GC-10</td> <td>39 1/2"</td> <td>7"</td> <td>DIA</td> <td>3.2</td> <td></td> </tr> <tr> <td>1 BAG - HOUSING FOR TRANSMITTER GC-110</td> <td>---</td> <td>---</td> <td>---</td> <td>3.4</td> <td></td> </tr> <tr> <td>2 BALLOONS M-275</td> <td>---</td> <td>---</td> <td>---</td> <td>2.4</td> <td></td> </tr> <tr> <td>1 HAND CRANK GC-10</td> <td>---</td> <td>---</td> <td>---</td> <td>.65</td> <td></td> </tr> <tr> <td>2 GENERATORS M-315 (HYDROGEN)</td> <td>---</td> <td>---</td> <td>---</td> <td>5.92</td> <td></td> </tr> <tr> <td>2 BALLOON INFLATING TUBES</td> <td>---</td> <td>---</td> <td>---</td> <td>1.6</td> <td></td> </tr> <tr> <td>1 KITE M-277</td> <td>---</td> <td>---</td> <td>---</td> <td>1.45</td> <td></td> </tr> <tr> <td>1 RADIO TRANSMITTER GC-778</td> <td>10 1/2"</td> <td>9 1/2"</td> <td>9"</td> <td>15.1</td> <td></td> </tr> <tr> <td>1 SIGNAL LAMP M-308</td> <td>---</td> <td>---</td> <td>---</td> <td>.2</td> <td></td> </tr> <tr> <td>1 PARACHUTE M-276</td> <td>---</td> <td>---</td> <td>---</td> <td>1.0</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td colspan="2">37# APPROX.</td> </tr> <tr> <td colspan="4">COMBINED VOLUME:</td> <td colspan="2">3 TO 4 CU. FT. APPROX.</td> </tr> <tr> <td colspan="4">SHIP TONNAGE</td> <td colspan="2"></td> </tr> </tbody> </table>		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	2 ROLLS - 300 FT. EA ANTENNA WIRE M-148	---	---	---	1.1		1 BAG - HOUSING FOR ACCESSORIES GC-10	39 1/2"	7"	DIA	3.2		1 BAG - HOUSING FOR TRANSMITTER GC-110	---	---	---	3.4		2 BALLOONS M-275	---	---	---	2.4		1 HAND CRANK GC-10	---	---	---	.65		2 GENERATORS M-315 (HYDROGEN)	---	---	---	5.92		2 BALLOON INFLATING TUBES	---	---	---	1.6		1 KITE M-277	---	---	---	1.45		1 RADIO TRANSMITTER GC-778	10 1/2"	9 1/2"	9"	15.1		1 SIGNAL LAMP M-308	---	---	---	.2		1 PARACHUTE M-276	---	---	---	1.0		COMBINED WEIGHT OF COMPONENTS:				37# APPROX.		COMBINED VOLUME:				3 TO 4 CU. FT. APPROX.		SHIP TONNAGE					
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RADIO SET SCR-578, CARRIED BY BOMBARDMENT AND REGUNNA SSANCE AIRCRAFT, ALSO BY SOME AIR TRANSPORT COMMAND AIRCRAFT, OVER-WATER FLIGHTS.																																																																																																	

NOMENCLATURE DESIGNATION

NOTE SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION.

STATUS

INSTRUCTIONAL LITERATURE

(CLASSIFICATION: **RESTRICTED**)

POWER OUTPUT: (WATTS) COMMUNICATION TRANSMITTERS
5 WATTS MINIMUM.

TUNES: {TYPE AND NUMBER} BC-639; 1-6807; 1-6K607;
1-9002; 2-9003; 4-6807; RA-1; 1-5440; BC-639;
1-9002; 2-9003; 1-5440; 1-6L50; 1-65K7; 1-6E5;
BC-624; 1-9002; 3-9003; 1-12J50T; 1-12C8; 1-12AH70T;
3-12587; BC-625; 2-832; 3-12A6; 1-6860; 2-6337;
BC-687; 1-625L8T; BC-93; 1-958; 1-1A56T.

(CLASSIFICATION) **RESTRICTED**

USE: 1. WHILE DIRECTION FINDING STATION FOR
REBOUND CONTROL OF INTERCEPTOR PURSUIT
OPERATIONS. PART OF CONTROL NET SYSTEM
SCS-3, USED AS D/F STATION FOR OBTAIN-
ING BEARING ON AIRCRAFT EQUIPPED WITH
RADAR SET SCR-522 FOR PURPOSES OF
MONITOR AND D/F PLOTTING.

TRANSPORTATION: 1 TRUCK K-53, 1 TRAILER
K-63 (POWER)

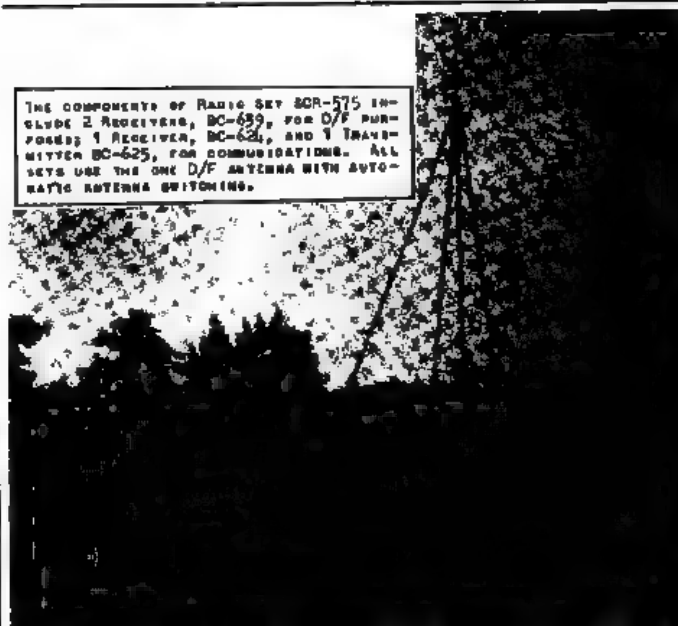
TYPE OF SIGNAL: RECEIVER VOICE, TONE MODULATED
AND C.T. TRANSMITTER VOICE MODULATION.

(CLASSIFICATION: RESTRICTED)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
1 TANK K-53	130"	96"	256"	13,385	RESTRICTED
1 TRAILER K-63 (POWER)	72	72	144	2,460	RESTRICTED
2 RECEIVERS RC-659 EACH	10 1/2	19	13 1/2	36	RESTRICTED
2 MODIFIERS RA-42 EACH	7	19	8 1/2	26	RESTRICTED
1 FREQUENCY METER RC-656	11 1/2	19	7	35	RESTRICTED
1 RECEIVER RC-624	6	15 1/2	9	14	RESTRICTED
1 TRANSMITTER RC-625	6	15 1/2	9	16	RESTRICTED
1 ANTENNA EQUIPMENT RC-155				150	RESTRICTED
1 OSCILLATOR TEST EQUIPMENT RC-93	10 1/2	9	6 3/4	12	RESTRICTED
1 DYNAMOTOR UNIT PE-94	7	13	8	36	RESTRICTED
1 FUSE PANEL PW-15	5	19	5	24	RESTRICTED
1 FUSE PANEL PW-5	2 1/2	19	4 5/8	19	RESTRICTED
1 DYNAMOTOR UNIT PE-100	6	19	10 1/2	23	RESTRICTED
1 CONTROL UNIT RM-18	6	19	8 3/4	16	RESTRICTED
1 CONTROL PANEL PW-25	6 1/4	19	7	16	RESTRICTED
1 RELAY UNIT RC-667	9	19	12 1/2	40	RESTRICTED
COMBINED WEIGHT OF COMPONENTS				16,500	APPROX.
COMBINED VOLUME OF COMPONENTS				2,272 cu.	FT. APPROX.
BWP TONNAGE				8 1/4 T	APPROX.



PANEL OF RADIO RECEIVER RC-639. PART OF RADIO SET DON-575.



RADIO SET SCR-575 (RADIO DIRECTION FINDING STATION)
ANTENNA EQUIPMENT RC-953 RAISED IN POSITION.

SCR-574

INSTRUCTIONAL LITERATURE

STATUS

STANDARD
20 Nov 43NOTE SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATIONNOMENCLATURE
DESIGNATIONCHANGE IN
STATUS**PART A - TECHNICAL CHARACTERISTICS**
(CLASSIFICATION **RESTRICTED**)

FREQUENCY RANGE: (MC) 100-156

NUMBER OF CRYSTALS: 2 IN USE (FULL COMPLEMENT TO BE DETERMINED BY AAF).

PRESET FREQUENCIES: VARIABLE (DIAL SETTING OPERATED WITH CRYSTAL CONTROLLED FREQUENCY MEYER.)

ANTENNA: VERTICAL DIPOLE MOUNTED ON 76' MAST.

TUNING: (MC OR KHz)

SENSITIVITY: 2-3 MV/METER AT 50 MM SIGNAL RATIO TO 1.

SELECTIVITY: 2 TIMES DOWN LESS 100 KC. 9000 TIMES DOWN MORE 350 KC.

POWER SOURCE: POWER UNIT PE-99 (7 1/2 KVA 110V 3 PHASE 60 CYCLE); ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.

SIMILAR SETS: RECEIVER STATION OF SCR-567

POWER OUTPUT: (WATTS) RECEIVER BC-639 1 WATT (DISTORTED) 1/2 W (10% DISTORTION).

TUBES: (TYPE AND NUMBER) BC-638: 1-6SK7; 1-9002; 2-9003; 1-5V4Q; 1-6L5; BC-639: 1-9002; 3-9003; 1-6SQ7; 1-6X6GT; 4-6307. BC-586: 3-25L6. RA-42: 1-5V4Q.

PART B - TACTICAL CHARACTERISTICS
(CLASSIFICATION **RESTRICTED**)

USE: TWO CHANNEL RECEIVER STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-3.

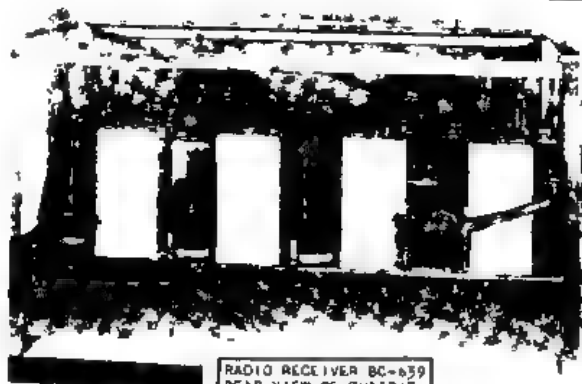
RANGE: (MILES) MINIMUM OF 155 MILES WITH AIRCRAFT AT 10,000 FT.

TO COMMUNICATE WITH: CONTROL SET SCR-572 RADIO SET SCR-573 AND AIRCRAFT EQUIPPED WITH SCR-522.

TO REPLACE IN PART:

TRANSPORTATION: 1 TRUCK K-53, 1 ONE-TON CARBO TRAILER.

TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED AND C. W.

RADIO RECEIVER BC-639
REAR VIEW OF CHASSIS.RADIO SET SCR-574. PART OF NET CONTROL SYSTEM SCS-3.
VIEW SHOWING REMOVABLE EQUIPMENT CARRIED IN VEHICLE.

RADIO SET SCR-574 CONTAINS 2 RECEIVERS BC-639 FOR SIMULTANEOUS OPERATION. THESE RECEIVERS ARE NOT CRYSTAL CONTROLLED BUT ARE CALIBRATED BY MEANS OF FREQUENCY METER BC-638 WHICH USES 3 CRYSTALS. THE APPROPRIATE CRYSTAL IS SELECTED BY MEANS OF A 5-PRINT SWITCH.

PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION **RESTRICTED**)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
1 TRUCK K-53	130"	96"	236"	15,385	RESTRICTED
1 TRAILER K-63 (POWER)				2,860	RESTRICTED
2 RECEIVERS BC-639 EACH	10 1/2	19	13 1/2	36	RESTRICTED
2 RECTIFIERS RA-42 EACH	7	19	8 1/2	26	RESTRICTED
1 FREQUENCY METER BC-638	11 1/2	19	7	35	RESTRICTED
2 CONTROL UNITS RU-18 EACH	5	19	8 3/4	16	RESTRICTED
2 AMPLIFIER BC-686 EACH	12	19	11	36	RESTRICTED
1 FUSE PANEL PN-15	5	19	5	24	RESTRICTED
1 FUSE PANEL PL-5	2 1/2	19	4 5/8	15	RESTRICTED
2 FRAMES FL-39 EACH	72	20	3	121	RESTRICTED
1 ANTENNA AH-84	PACKED IN 25 CU. FT.	5	PACKAGES APPROX.	743	RESTRICTED
2 ANTENNA EQUIPMENT AQ-81	12	28 1/2	38 1/2	4	RESTRICTED
COMBINED WEIGHT OF COMPONENTS				16,500	APPROX.
COMBINED VOLUME				2,275	CU. FT. APPROX.
SHIP TONNAGE				8 1/4 T	APPROX.

THIS SHEET IS CLASSIFIED: RESTRICTED

THIS SHEET IS CLASSIFIED: **RESTRICTED**

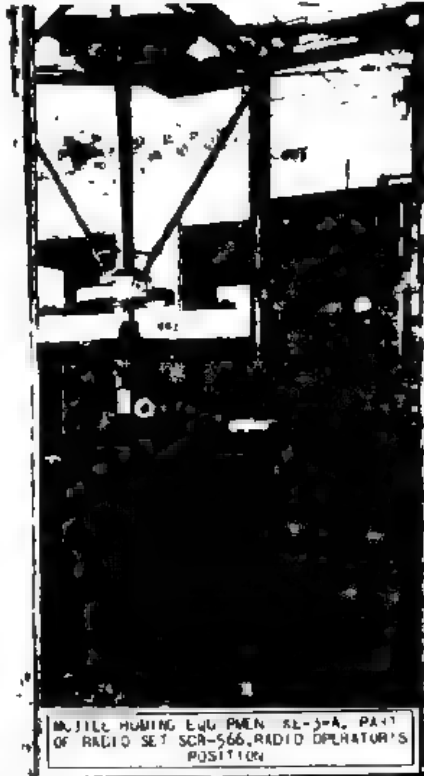
INSTRUCTIONAL LITERATURE	STATUS	STANDARD 20 Nov 43	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION	SCR-572	
CHANGE IN STATUS						
 			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED) FREQUENCY RANGE: (Use) The Control Set SCR-572 is an operations block of a fighter control system and contains no radio equipment. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: None TUNING: (MO OR XTAL) None SENSITIVITY: SELECTIVITY: POWER SOURCE: Power Unit PC-99 (7 1/2 KVA 110V 3 PHASE 60 CYCLE) ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: Control Set SCR-642 (Fixed) POWER OUTPUT: (Watts) TUBES: (Type and Number) 3-80-687; 12-25L6.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED) USE: CONTROL SET USED AS AN OPERATIONS BLOCK WHICH PROVIDES THE NECESSARY CONTROL EQUIPMENT AND AUXILIARIES TO PERMIT SIMULTANEOUS OPERATIONAL CONTROL OF UP TO TWO (2) AIRCRAFT SQUADRONS FOR POSITIVE CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. RANGE: (Miles) Minimum of 135 miles with aircraft at 10,000 ft. TO COMMUNICATE WITH: SCR-573 SCR-574 SCR-575 AND WITH AIRCRAFT EQUIPPED WITH SCR-522 TO REPLACE A PART: TRANSPORTATION: Trailer K-55; 1 1/2 ton tractor truck; 1 ton cargo trailer. TYPE OF SIGNAL:	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)						
TEN		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
3 CONTROL UNITS RM-25-EACH		20"	11 1/4"	13 1/4"	14#	
2 CONTROL UNITS RM-26-EACH		11 7/8"	9"	8"	20#	
1 CONTROL UNIT RM-28-EACH		14 1/2"	12"	7"	35#	
3 SWITCHGEARDS SD-72 EACH		12"	12"	2 1/2"	60#	
20 TELEPHONE REPEATERS EE-99		8"	14 1/2"	11 1/2"	47#	
1 TRAILER K-55		120"	96"	25 1/2"	8500#	
1 ONE-TON CARGO TRAILER (POWER)		72"	72"	14 1/2"	2860#	
1 ONE-AND-ONE-HALF TON TRACTOR TRUCK		36"	64"	20 1/2"	8000#	
3 RELAY UNIT 80-687		9"	19"	12 1/2"	35#	
COMBINED WEIGHT OF COMPONENTS					20,000 LBS.	
COMBINED VOLUME					4,000 CU. FT.	
SHIP TONNAGE					10 TONS	

1) CONTROL UNIT RM-25, PART OF CONTROL SET SCR-572, METALLIC FOR OPERATION. (2) CONTROL UNIT RM-25-A, BOTTOM VIEW OF CHASSIS

CONTROL SET SCR-572 IS AN OPERATIONS BLOCK OF A FIGHTER CONTROL SYSTEM AND CONTAINS NO RADIO EQUIPMENT, BUT, BY MEANS OF INTERCONNECTING WIRE LINES AND REMOTE CONTROL FACILITIES WITH THE RADIO SETS LISTED, COMMUNICATION IS OBTAINED WITH THESE STATIONS AND ALSO WITH THE AIRCRAFT OPERATOR. THIS SET ALSO CONTAINS FACILITIES FOR PLOTTING DATA RECEIVED FROM THE D/F STATION SCR-575.

SCR-567		NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	STANDARD AS COMPONENT OF 5-2	INSTRUCTIONAL LITERATURE
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)		CHANGE IN STATUS			
FREQUENCY RANGE: (MC) 100-156 NUMBER OF CRYSTALS: IN USE 2 MR TRANSMITTER STATION, 2 IN RECV VIB STATION (FULL ATAL COMPLEMENT TO BE DETERMINED BY AAF) PRESET FREQUENCIES: 2 IN TRANSMITTER STATION, 2 IN RECEIVER STATION (FREQ. METER) A. TENNA: VERTICAL DIPOLES MOUNTED ON 50' MAST. JIVING: (MC) ON ATAL TRANSMITTERS ATAL-RECEIVERS VARIABLE. SENSITIVITY: 2-3 MICROVOLTS/METER AT 5000. JELLO (VIT): 2 TIMES DOWN LESS 100 MC. 1000 TIMES DOWN MORE 350 MC. POWER SOURCE: POWER UNIT PE-99 (7 1/2 KVA 110V 3 PHASE 60 CYCLES); ALSO HAS PROVIS ON FOR OPERATION ON COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIM LAR SETS: RADIO SET SCR-575 AND SCR-574; ALSO RADIO SET SCR-637 (P. 22). POWER OUTPUT: WATTS) 50 WATTS FROM TRANSMITTER 5/2 WATT RECEIVER. TUBES: (TYPE AND NUMBER) SEE NOTE 4		USE: FORWARD RELAY STATION FOR GROUND CONTROL OF INTERCEPT PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SC-52 PROVIDED 2 INDEPENDENT CHANNELS RECV VIB AND TRANSMITTING FOR EXTENDING THE RANGE OF RADIO SETS SCR-562 AND SCR-563 WHEN USED AS PART OF THE FIGHTER CONTROL SYSTEM RANGE (MILES): 135 MILES = TH AIRCRAFT AT 10,000 FEET. TO COMMUNICATE WITH CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET S - 24. TO REPLACE IN PART: TRANSPORTATION: 2 TRUCK K-53, 2 ONE-TON CARGO TRAILER. TYPE OF SIGNAL: VOICE AND MC		RADIO SET SCR-567 was designed as a remote controlled forward relay station of the control system. It can be used separately. 1 Radio Set SCR-567 in EQUIPMENT FOR 1 RADIO SET SCR-567. RADIO SET SCR-567 TRANSMITTER CONTAINS 2 TRANS-BC-610, 1 MOTOR, STATION CONTAINS 2 RECEIVERS, BC-619, BC-620, BC-621, BC-622, BC-623, BC-624, BC-625, BC-626, BC-627, BC-628, BC-629, BC-630, BC-631, BC-632, BC-633, BC-634, BC-635, BC-636, BC-637, BC-638, BC-639, BC-640, BC-641, BC-642, BC-643, BC-644, BC-645, BC-646, BC-647, BC-648, BC-649, BC-650, BC-651, BC-652, BC-653, BC-654, BC-655, BC-656, BC-657, BC-658, BC-659, BC-660, BC-661, BC-662, BC-663, BC-664, BC-665, BC-666, BC-667, BC-668, BC-669, BC-670, BC-671, BC-672, BC-673, BC-674, BC-675, BC-676, BC-677, BC-678, BC-679, BC-680, BC-681, BC-682, BC-683, BC-684, BC-685, BC-686, BC-687, BC-688, BC-689, BC-690, BC-691, BC-692, BC-693, BC-694, BC-695, BC-696, BC-697, BC-698, BC-699, BC-700, BC-701, BC-702, BC-703, BC-704, BC-705, BC-706, BC-707, BC-708, BC-709, BC-710, BC-711, BC-712, BC-713, BC-714, BC-715, BC-716, BC-717, BC-718, BC-719, BC-720, BC-721, BC-722, BC-723, BC-724, BC-725, BC-726, BC-727, BC-728, BC-729, BC-730, BC-731, BC-732, BC-733, BC-734, BC-735, BC-736, BC-737, BC-738, BC-739, BC-740, BC-741, BC-742, BC-743, BC-744, BC-745, BC-746, BC-747, BC-748, BC-749, BC-750, BC-751, BC-752, BC-753, BC-754, BC-755, BC-756, BC-757, BC-758, BC-759, BC-760, BC-761, BC-762, BC-763, BC-764, BC-765, BC-766, BC-767, BC-768, BC-769, BC-770, BC-771, BC-772, BC-773, BC-774, BC-775, BC-776, BC-777, BC-778, BC-779, BC-780, BC-781, BC-782, BC-783, BC-784, BC-785, BC-786, BC-787, BC-788, BC-789, BC-790, BC-791, BC-792, BC-793, BC-794, BC-795, BC-796, BC-797, BC-798, BC-799, BC-800, BC-801, BC-802, BC-803, BC-804, BC-805, BC-806, BC-807, BC-808, BC-809, BC-810, BC-811, BC-812, BC-813, BC-814, BC-815, BC-816, BC-817, BC-818, BC-819, BC-820, BC-821, BC-822, BC-823, BC-824, BC-825, BC-826, BC-827, BC-828, BC-829, BC-830, BC-831, BC-832, BC-833, BC-834, BC-835, BC-836, BC-837, BC-838, BC-839, BC-840, BC-841, BC-842, BC-843, BC-844, BC-845, BC-846, BC-847, BC-848, BC-849, BC-850, BC-851, BC-852, BC-853, BC-854, BC-855, BC-856, 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SCR-566

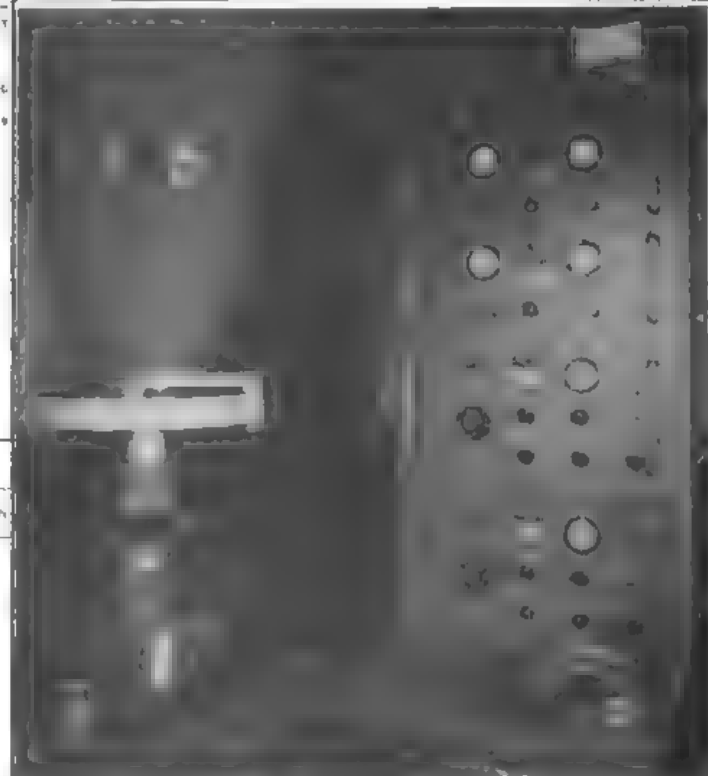
INSTRUCTIONAL LITERATURE	STATUS	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION																																																																																																				
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		FREQUENCY RANGE: (MC) 100 - 156 NUMBER OF CRYSTALS: 9 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF) PRESET FREQUENCIES: 9 (4 IN BC-624, 4 IN BC-625; 1 IN BC-630) ANTENNA: VERTICAL ADOCK J/F WITH SENSING FACILITIES. TUNING (MC OR XTAL) BC-624; BC-625; XTAL, BC-639 VARIABLE. SENSITIVITY: 2-3 MICROVOLTS/METER AT 50 MC. SELECTIVITY: 2 Y MES DOWN LESS 100 KC. 1000 TIMES DOWN MORE 350 KC. POWER SOURCE: STORAGE BATTERY AND POWER UNIT PE-99 (75 KVA 110V 3 PHASE, 60 CYCLE); ALSO PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIGNAL SETS: RADIO SET SCR-575. POWER OUTPUT: (WATTS) TRANSMITTER BU-605 OUTPUT 5 WATTS MINIMUM. TUBES: (TYPE AND NUMBER) SEE NOTE *	USE: MOBILE D/F STATION FOR GROUND CONTROL OF INTERCEPTOR PLANE OPERATION. PART OF CONTROL NET SYSTEM SCR-52. USED AS A MOBILE HAWING AND D/F STATION FOR PLANES EQUIPPED WITH RADIO SET SCR-522. RANGE: (MILES) 135 MILES WITH A CRAFT AT 10,000 FEET. TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: ONE (1) TRUCK R-53, 1 TRAILER R-63 (POWER) TYPE OF SIGNALS: VOICE AND MC-																																																																																																				
		PART C-PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)																																																																																																					
		<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>1 TRUCK R-53</td> <td>130"</td> <td>96"</td> <td>256"</td> <td>13,365 #</td> <td></td> </tr> <tr> <td>1 ANTENNA EQUIPMENT RL-3</td> <td></td> <td></td> <td></td> <td>100 #</td> <td></td> </tr> <tr> <td>1 ONE-TON CARGO TRAILER</td> <td></td> <td></td> <td></td> <td>1,300 #</td> <td></td> </tr> <tr> <td>1 RECEIVER BU-639</td> <td>72"</td> <td>7"</td> <td>14 1/2"</td> <td>36 #</td> <td></td> </tr> <tr> <td>1 DYNAMOTOR UNIT PE-100</td> <td>10 1/2"</td> <td>19"</td> <td>10 1/2"</td> <td>23 #</td> <td></td> </tr> <tr> <td>1 DYNAMOTOR UNIT PE-SL</td> <td>6"</td> <td>9"</td> <td>6 1/2"</td> <td>30 #</td> <td></td> </tr> <tr> <td>1 RECEIVER BC-624</td> <td>6 1/2"</td> <td>15 1/2"</td> <td>9"</td> <td>12 1/2 #</td> <td></td> </tr> <tr> <td>1 TRANSMITTER BU-605</td> <td>6"</td> <td>14 1/2"</td> <td>9"</td> <td>16 1/2 #</td> <td></td> </tr> <tr> <td>1 CONTROL UNIT RL-9L</td> <td>5"</td> <td>19"</td> <td>6 3/4"</td> <td>16 #</td> <td></td> </tr> <tr> <td>1 POWER UNIT PE-99</td> <td>55"</td> <td>26"</td> <td>50"</td> <td>1,600 #</td> <td></td> </tr> <tr> <td>1 CONTROL BOX BU-602</td> <td>6"</td> <td>5 1/2"</td> <td>2 1/2"</td> <td>2 #</td> <td></td> </tr> <tr> <td>1 OSCILLATOR TEST EQUIPMENT HU-63 (RL-655)</td> <td>10 1/2"</td> <td>9"</td> <td>6 3/4"</td> <td>12 #</td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS</td> <td>1,700 #</td> <td>W/OUT MATERIAL</td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS</td> <td>450 cu ft</td> <td>FTG "</td> </tr> <tr> <td colspan="4">SHIP TONNAGE</td> <td>4 TONS</td> <td>"</td> </tr> </tbody> </table>	ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	1 TRUCK R-53	130"	96"	256"	13,365 #		1 ANTENNA EQUIPMENT RL-3				100 #		1 ONE-TON CARGO TRAILER				1,300 #		1 RECEIVER BU-639	72"	7"	14 1/2"	36 #		1 DYNAMOTOR UNIT PE-100	10 1/2"	19"	10 1/2"	23 #		1 DYNAMOTOR UNIT PE-SL	6"	9"	6 1/2"	30 #		1 RECEIVER BC-624	6 1/2"	15 1/2"	9"	12 1/2 #		1 TRANSMITTER BU-605	6"	14 1/2"	9"	16 1/2 #		1 CONTROL UNIT RL-9L	5"	19"	6 3/4"	16 #		1 POWER UNIT PE-99	55"	26"	50"	1,600 #		1 CONTROL BOX BU-602	6"	5 1/2"	2 1/2"	2 #		1 OSCILLATOR TEST EQUIPMENT HU-63 (RL-655)	10 1/2"	9"	6 3/4"	12 #		COMBINED WEIGHT OF COMPONENTS				1,700 #	W/OUT MATERIAL	COMBINED VOLUME OF COMPONENTS				450 cu ft	FTG "	SHIP TONNAGE				4 TONS	"		
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SCR-566 BUILT RECEIVER BU-639 FOR D/F. CARRY NO COMPONENTS OF SCR-522 FOR COMMUNICATION WITH A CRAFT. RADIO COMPONENTS ALSO OPERATE FROM STORAGE BATTERY POWER. D/F ANTENNA IS USED FOR BOTH D/F AND COMMUNICATION.

*TUBES: (TYPE AND NUMBER) 1 BU-624-A; 1 9002; 3 9003; 1 12U5GT, 1 12AB; 3 12SG7; 1 12AH7GT. 1 BU-605-A; 1 6X6G; 3 12AB, 2 632-A; 2 6557. 1 BU-639 - 3 9003; 1 9032, 4 6347; 1 6X6GT, 1 6C-655-1 956, 1 12U5GT.

THIS SHEET IS CLASSIFIED RESTRICTED

SCR-565		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	STANDARD AS COMPONENT OF SC-52	INSTRUCTIONAL LITERATURE
PART A - TECHNICAL CHARACTERISTICS CLASSIFICATION RESTRICTED				PART B - TACTICAL CHARACTERISTICS CLASSIFICATION RESTRICTED		CHANGE IN STATUS		
FREQUENCY RANGE: (MC) 100-156 NUMBER OF CRYSTALS: 2 IN USE (COMPLETE XTAL COMPLEMENT TO BE DETERMINED BY AAF) PRESET FREQUENCIES: 2 SEE NOTE # ANTENNA: VERTICAL ADDON D/F WITH SERIES FACILITIES TUNING: (MC OR XTAL) VARIABLE SENSITIVITY: SELECT VITY POWER SOURCE: POWER UNIT PE-99 (7 1/2 KVA 110V 60 CYCLE 3 PHASE); ALSO HAS PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: POWER OUTPUT: (WATTS) 1 WATT (DISTORTED) 1/2 WATT (10% DISTORTION) TUBES: (TYPE AND NUMBER) 1 BC-638 - 1 5V4G; 1 900Z; 2 900Z; 1 6L5B; 1 6E5; 1 6X4; 2 BC-639 - 6 900Z; 2 900Z; 8 6507; 2 6507; 2 6R60T; 2 RA-42 - 2 5V4G				USE: D/F FIXED STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SC-52. TWO OR MORE RADIO SETS SCR-565 ARE USED FOR DETERMINING AZIMUTH BEARING OF AIRCRAFT EQUIPPED WITH RADIO SET SCR-562. SIMULTANEOUS BEARINGS ARE TAKEN AND TELEPHONED TO THE OPERATIONS BLOCK SCR 561) AND BY TRIANGULATION, THE POSITION OF THE AIRCRAFT IS FIXED RANGE: (MILES) TO COMMUNICATE WITH CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH SCR-522. TO REPLACE IN PART: TRANSPORTATION: None TYPE OF SIGNAL: RECEIVES VOICE, TONE MODULATED SIGNAL AND CW.				
PART C - PRINCIPAL COMPONENTS CLASSIFICATION RESTRICTED								
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION		
		HEIGHT	WIDTH	DEPTH				
(PACKED IN 12 BOXES)								
1 TOWER TR-17		TOTAL	1985	CU. FT.	21,140#	RESTRICTED		
1 SHELTER MO-3 (KROOKED DOWN)		24"	60"	72"	626#	RESTRICTED		
1 POWER UNIT PE-99		55"	28"	50"	1,600	RESTRICTED		
1 RADIO RECEIVING EQUIP. RC-79		60"	21"	12"	300	RESTRICTED		
1 ANTENNA EQUIPMENT RC-82					150	RESTRICTED		
COMBINED WEIGHT OF COMPONENTS					23,500#	APPROXIMATELY		
COMBINED VOLUME					2,200	CU. FT.		
SHIP TONNAGE					16 3/4	TONS		

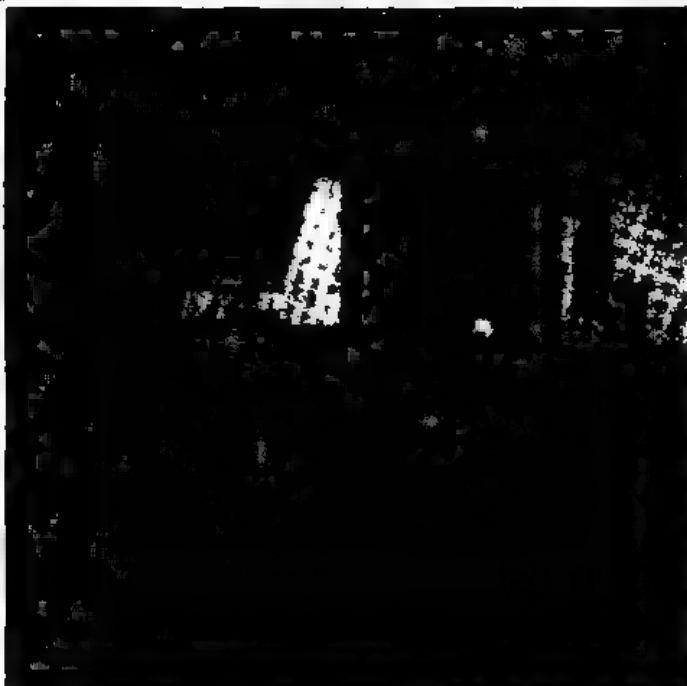

 #800 377 SCR-565
 Operator's Pos. L. on

 PRESET FM W/ FNC FS: CRYSTALS ARE CONTAINED IN THE FREQUENCY METER
 SC-649 USED TO CAL BRATE AND ADJUST THE RECEIVER SC-649. THE RE-
 CEIVER L-610 IS NOT CRYSTAL CONTROLLED. THE FREQUENCY METER
 SC-638 CAN BE SET UP ON A DIFFERENT CRYSTAL CONTROLLED FREQUENCY
 AT ONE TIME AND THE DESIRED XTAL SELECTED BY A 5-POSITION SWITCH.

THIS SHEET IS CLASSIFIED RESTRICTED

THIS SHEET IS CLASSIFIED: RESTRICTED

(AIRCRAFT RADIO: FIGHTER CONTROL.)

INSTRUCTIONAL LITERATURE	STATUS	STANDARD NO COMPONENT OF SC3-2	NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-564																																																																																														
	CHANGE IN STATUS																																																																																																	
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MD) 100-156 NUMBER OF CRYSTALS: Two (2) IN USE (COMPLETE XTAL COMPLEMENT TO BE DETERMINED BY AAF) PRESET FREQUENCIES: Two (2) (See Below) ANTENNA: ADOORU-DIRECTIONAL D/F WITH SENSE TUNING: (MD OR XTAL) VARIABLE SENSITIVITY: 2-3 MICROVOLTS/METER AT 50mc. SELECTIVITY: 2 TIMES DOWN LESS 100 mc. 1000 TIMES DOWN MORE 550 kc. POWER SOURCE: POWER UNIT PE-99 (7 1/2 KVA 110V, 60 CY- CLE 3 PHASE. ALSO PROVISIONS FOR USING COMMERCIAL DIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: POWER OUTPUT: (WATTS) 1 WATT (DISTORTED) 1/2 (10% DISTORTION) TUBES: (TYPE AND NUMBER) 1 6C-638 - 1 5V4B; 1 9002; 2 9003; 1 6150; 1 6E5; 1 6XK7. 2 6C-639 - 6 9005; 2 9002; 8 6507; 2 6507; 2 6K6GT. 2 RA-42 - 2 5V4B.	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: SECTION HOMING D/F STATION FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SC3-2. BY UTILISING A SEC- TOR TRANSMITTER THE D/F OPERATOR HOMES THE AIRCRAFT BY THE "TALK BACK METHOD". RANGE: (MILES) DETERMINED BY OUTPUT OF AIRBORNE TRANSMITTER AND HEIGHT OF AIRCRAFT. TO COMMUNICATE WITH: FIGHTER AIRCRAFT EQUIPPED WITH RADIO SCR-522 BY RADIO AND WITH SCR-561 BY TELEPHONE. TO REPLACE IN PART: TRANSPORTATION: NONE TYPE OF SIGNAL: RECEIVED VOICE, TONE MODULATED SIGNAL AND CW.																																																																																														
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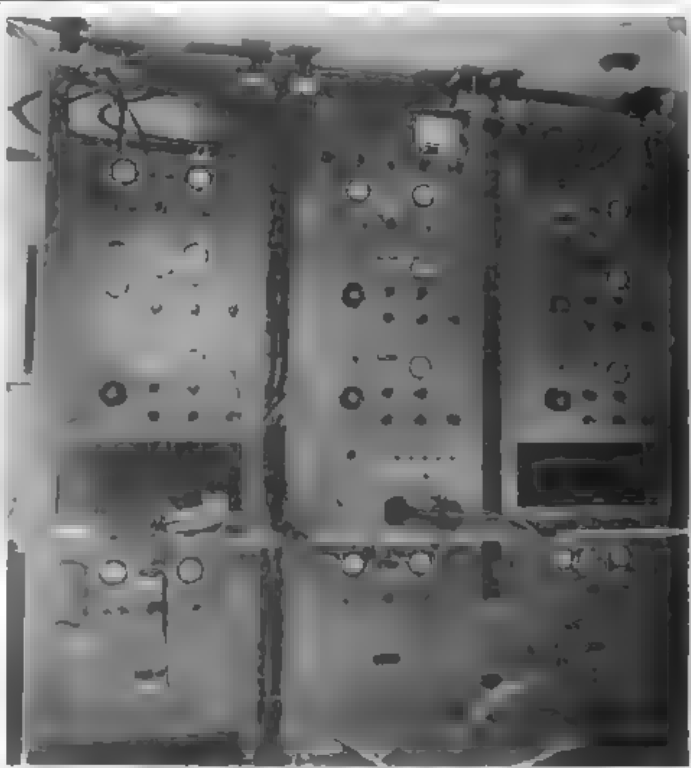
RADIO SET SCR-564. PART of CONTROL NET SYSTEM SC3-2
 Front View of Radio Receiving Equipment RC 78-A
 and Lower Portion of Antenna Equipment RC-82

*PRESET FREQUENCIES: CRYSTALS ARE CONTAINED IN THE FREQUENCY METER BC-638 USED TO CALIBRATE AND ADJUST THE RECVR. BC-639. THE RECVR. BC-639 IS NOT CRYSTAL CONTROLLED. THE FREQUENCY METER BC-638 CAN BE SET UP ON 5 DIFFERENT CRYSTAL CONTROLLED FREQUENCIES AT ONE TIME. THE DESIRED XTAL SELECTED BY A 5-POSITION SWITCH. THE ABOVE PERFORMANCE DATA IS FOR RECVR. BC-639.

THIS SHEET IS CLASSIFIED: RESTRICTED

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THIS SHEET IS CLASSIFIED RESTRICTED

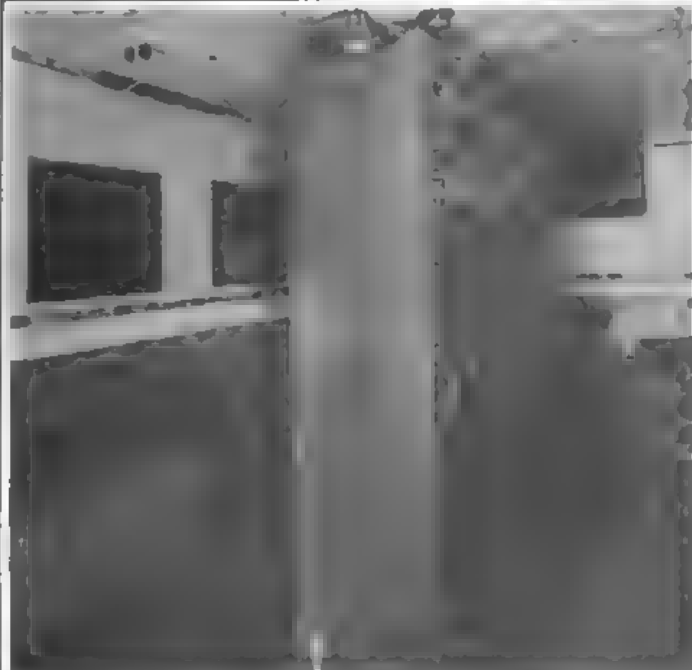
SCR-563		NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	STATUS	INSTRUCTIONAL LITERATURE																																																																																																																											
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FREQUENCY RANGE: (MC) 100 - 156 NUMBER OF CRYSTALS: 5 IN USE (FULL XTAL COMPLEMENT TO BE DETERMINED BY AAF) PRESET FREQUENCIES: 6 RECEIVERS BC-639 CONTAINED IN SCR-563 ARE NOT CRYSTAL CONTROLLED BUT ARE CALIBRATED BY MEANS OF THE FREQUENCY METER BC-638. THE FREQUENCY METER IS SET UP FOR 5 CRYSTALS WHICH ARE SELECTED BY MEANS OF A 5-POINT SWITCH. 1 XTAL IS REQUIRED FOR EACH FREQUENCY. ANTENNA: VERTICAL DIPOLES MOUNTED ON 90' MAST. TUNING: (MC OR XTAL) VARIABLE SENSITIVITY: 2-3 μV/METER 50 MM OUTPUT. SELECTIVITY: 2 TIMES DOWN LEIS 100 KC. 1000 TIMES DOWN MORE 350 KC. POWER SOURCE: POWER UNIT PE-99 (7½ KVA 110V 3 PHASE 60 CYCLES); ALSO HAS PROV SIGNS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE. SIMILAR SETS: SCR-555 (FIXED) POWER OUTPUTS (WATTS) 1 (DISTORTED), 1/2 (10% DISTORTION.) TUBES: (TYPE AND NUMBER) RECEIVING SET FOR SCS-2, 6 BC-639-A; 18 9003; 6 9002, 24 6507; 6 6K6GT; 6 6337; 1 BC-638-A; 1 5V4B; 1 9002; 2 9003; 1 6L5G; 1 6X5; 1 6SK7; 6 RA-2-A; 6 5V4B.		USE: VHF Radio Receiving Station for ground control of interception pursuit operations. PART OF CONTROL NET SYSTEM SCS-2. PROVIDES 5 CHANNELS OF RADIO RECEIVING. RANGE: (MILES) DETERMINED BY OUTPUT OF AIRBORNE TRANSMITTER. TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELEPHONE AND BY RADIO WITH F-ENTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: 1 TRAILER K-35; 1 ONE-TON CARGO TRAILER. TYPE OF SIGNAL: RECEIVERS VOICE, TONE MODULATED SIGNAL AND CW.																																																																																																																														
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THIS SHEET IS CLASSIFIED RESTRICTED

THIS SHEET IS CLASSIFIED: **RESTRICTED**

(AIRCRAFT RADIO: FIGHTER CONTROL)

SCR-562

INSTRUCTIONAL LITERATURE:	STATUS	STANDARD AS COMPONENT OF SCS-2	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION:																																																																																													
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 100-156 NUMBER OF CRYSTALS: FIVE (5) IN USE (FULL CRYSTAL COMPLEMENT WILL BE DETERMINED BY AAF). PRESET FREQUENCIES: FIVE ANTENNA: VERTICAL DIPOLE MOUNTED ON 90' MAST. TUNING: (MO OR XTAL) XTAL. SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PE-99 (7KV, 110V 3 PHASE 60 CYCLE); ALSO PROVISION FOR USING COMMERCIAL POWER FROM 110V 2 WIRE SERVICE. SIMILAR SETS: RADIO SETS SCR-632 (Fixed). POWER OUTPUT: (WATTS) 50 (APPROXIMATELY) TUBES: (TYPE AND NUMBER) 6-BO-640 TRANS 8 EACH, (4B) 5Z3, 4 EACH (24) 6J5, 3 EACH (18) 9A15, 2 EACH (12) 811, 1 EACH (6) 807, 5 EACH (30) HK210. 1-Oscilloscope RCA 8155; 1-3AP1/906P1; 2-6C6; 2-80; 1-884; 1-VOLT METER RCA-1451 2-6K6T; 1-6X50T.	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: VHF RADIO TRANSMITTING STATION FOR BROWER CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. PART OF CONTROL NET SYSTEM SCS-2. PROVIDES 5 INDEPENDENT CHANNELS OF RADIO TRANSMISSION. RANGE: (MILES) 155 MILES WITH AIRCRAFT AT AN ALTITUDE GREATER THAN 10,000 FT. TO COMMUNICATE WITH: CONTROL SET SCR-561 BY TELE- PHONE AND BY RADIO WITH FIGHTER AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: Two (2) TRAILERS, EACH TRAILER K-35 HAS 3 EACH TRANSMITTERS SC-640, MAKING A TOTAL OF 6. TYPE OF SIGNAL: Voice MOD																																																																																													
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2 POWER UNITS PE-99	55"	28"	50"	1600#																																																																																													
8 ANTENNA EQUIPMENT AO-81	12"	28 5/8"	38 1/2"	4#																																																																																													
2 TRAILERS K-35 EACH	120"	96"	13 1/2"	8500#																																																																																													
2 ONE-TON CARDS TRAILERS	72"	72"	14 1/2"	1300 #																																																																																													
4 ANTENNA AN-56 EACH MADE UP - BOX 1	108"	43 1/2"	25 3/4"	2000#																																																																																													
BOX 2	76 1/2"	91 1/2"	23 1/2"	667#																																																																																													
BOX 3	13 1/2"	5 1/2"	15 1/2"	190#																																																																																													
BOX 4	35 1/2"	26 1/2"	17 1/2"	450#																																																																																													
BOX 5	36 5/8"	34 3/4"	17 1/2"	495#																																																																																													
COMBINED WEIGHT OF COMPONENTS				45000 LBS																																																																																													
COMBINED VOLUME OF COMPONENTS				5100 cu. ft.																																																																																													
SHIP TONNAGE				23 1/2	Ton.																																																																																												

SAME AS RADIO SET SCR-632 EXCEPT SEMI-MOBILE. TECHNICAL CHARACTERISTICS: TRANSMITTER PE-99 HAS PROVISIONS FOR BOTH LOCAL AND REMOTE MODULATION. PLATE VOLTAGE RELAY ACTUATED THROUGH THE MICROPHONE CIRCUIT TO PREVENT CARRIER RADIATION WHEN NOT BEING MODULATED.

SIX (6) INCOMING WIRE LINES ARE BROUGHT INTO THE CONTROL UNIT RM-27 (MONITOR UNIT) AND THEN TO THE INPUT OF THE TRANSMITTER PE-99. THE CONTROL UNIT RM-27 HAS PROVISIONS FOR PATCHING THE INCOMING LINE TO THE SIX (6) TRANSMITTERS, MONITORING AND ADJUSTING THE VOLUME OF THE INCOMING SIGNAL TO THE TRANSMITTER. INTERCOMMUNICATION WITH THE OPERATIONS BLOCK IS ALSO PROVIDED. SIX (6) TRANSMITTERS ARE PROVIDED BY PATCHING TOGETHER THE TWO (2) TRAILERS K-35.

THIS SHEET IS CLASSIFIED: **RESTRICTED**

PAGE 85

SCR-561		NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	STANDARD AS COMPONENT OF SCS-2	INSTRUCTIONAL LITERATURE
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MO) CONTROL SET SCR-561 IS THE OPERATIONS BLOCK OF CONTROL NET SYSTEM SCS-2 AND CONTAINS NO RADIO EQUIPMENT. HOUSED IN BUILDING NOT PART OF CONTROL SET. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: None TUNING: (MO OR XTAL) None SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PE-99 (7 1/2 KVA 110V, 3 PHASE 60 CYCLE); ALSO PROVISIONS FOR USING COMMERCIAL POWER FROM A 110V 2 WIRE SERVICE.) SIMILAR SETS: CONTROL SET SCR-562 POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) CHARGERS: 1 890L8. REPEATER EE-99-T3; 12 345GT; 12 N50T. TONE TESTER 504-A SUPPENS: 1 77-A; 1 NEON BULB. VOLTCYMMET MODEL 165 RCA; 2 6X6GT; 1 6X50. BALLANTINE VOLT METER 300-A; 1 6W7; 2 6X7; 1 6X7GT; 1 6M6; 2 6D-2007. OSCILLOSCOPE 155 RCA; 1 3AP1-906P1; 2 6Q6; 2 80; 1 80L8. GENERATOR 205-A; 1 6B7; 1 6F6; 2 6BF5; 2 6L6; 1 5U4; 1 6M6.			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: CONTROL SET USED AS AN OPERATIONS BLOCK WHICH PROVIDES THE NECESSARY CONTROL EQUIPMENT AND FACILITIES TO PERMIT SIMULTANEOUS OPERATIONS. CONTROL OF UP TO FOUR AIRCRAFT BUSIONS. FOR GROUND CONTROL OF INTERCEPTOR PURSUIT OPERATIONS. RANGE: (MILES) SEE SCR-562; SCR-563 ETC. TO COMMUNICATE WITH: RADIO SETS SCR-562, SCR-563; SCR-564; SCR-565; SCR-566, AND SCR-567 AND ALSO WITH AIRCRAFT EQUIPPED WITH RADIO SET SCR-522. TO REPLACE IN PART: TRANSPORTATION: None TYPE OF SIGNAL: SEE BELOW		CHANGE IN STATUS:		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
1 POWER UNIT PE-99 EACH	55"	28"	50"	1600	RESTRICTED		
5 CONTROL UNIT RM-25 EACH	20"	11 1/4"	11 1/4"	44	RESTRICTED		
3 CONTROL UNIT RM-26 EACH	11 7/8"	9"	8"	20	RESTRICTED		
1 CONTROL UNIT RM-28	14 1/2"	12"	7"	35	RESTRICTED		
1 DISTRIBUTION PANEL BD-102	77 1/4"	24 1/4"	24"	300	RESTRICTED		
6 TELEPHONE REPEATER EE-99 EACH	8"	14 1/2"	11 1/2"	47	RESTRICTED		
2 TELEPHONE EE-8 EACH				9 1/2	RESTRICTED		
COMBINED WEIGHT OF COMPONENTS:				10,500 #			
COMBINED VOLUME				325 Cu. Ft.			
SHIP TONNAGE				5 1/4			



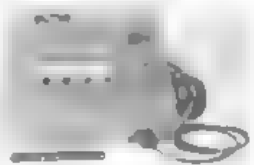
CONTROL UNIT RM-25
FRONT VIEW INSTALLED
FOR OPERATION
PART OF CONTROL SET,
SCR-561



CONTROL UNIT RM-26 A TOP VIEW OF PANEL

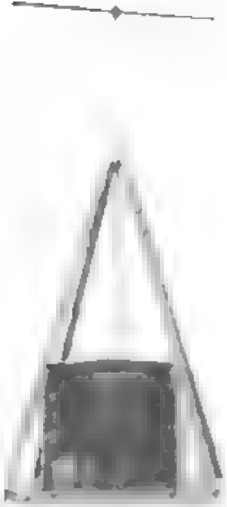


DISTRIBUTION PANEL BD-102-A.
FRONT VIEW OF ASSEMBLY
CABINET DOOR OPEN.

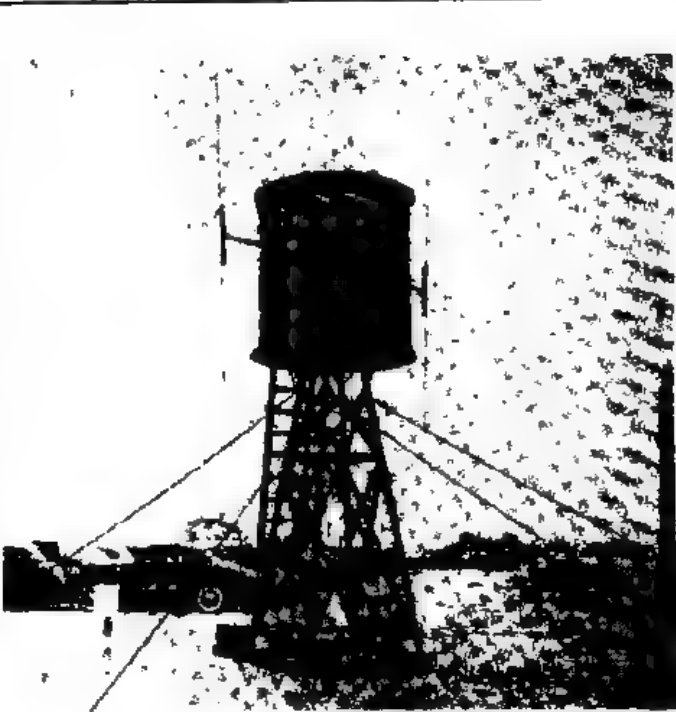


CONTROL UNIT RM-25 A, ASSEMBLY SHOWING PLUG PL 100

RADIO SET SCR-561, PRINCIPAL COMPONENTS.
 CONTROL SET SCR-561 CONTAINS NO RADIO EQUIPMENT, BUT, BY INTERCONNECTING WIRE LINES AND SENOTE CONTROL FACILITIES WITH RADIO SETS LISTED, COMMUNICATION IS CARRIED ON WITH THESE STATIONS AND ALSO WITH AIRCRAFT OPERATOR. CONTROL SET SCR-561 IS THE OPERATIONS BLOCK OF CONTROL NET SYSTEM, SCS-2, AND CONTAINS NO RADIO EQUIPMENT. HOUSED IN BUILDING NOT PART OF CONTROL SET.

INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 30 Oct 43	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-555																																																																																														
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B TACTICAL CHARACTERISTICS (CLASSIFICATION:)																																																																																													
 RADIO SET SCR-555 PREPARED FOR DIRECTION FINDING GIVES AURAL HULL ON LEFT-RIGHT METER BEARING INDICATION. OPERATOR ROTATES WITH EQUIPMENT AT BASE OF TOWER. SAME AS RADIO SET SCR-556 EXCEPT FOR FREQUENCY RANGE.			FREQUENCY RANGE: (MHz) 18 - 65 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: AEROBOK TUNING: (MD OR XTAL) DOES NOT APPLY SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 V STORAGE BATTERY SIMILAR SETS: SCR-551; SCR-556 POWER OUTPUT: (WATTS) DOES NOT APPLY TUBES: (TYPE AND NUMBER) 1 VT-90 2 VT-94 2 VT-112 2 VT-151 1 VT-198-A 3 VT-209 1 VT-231 1 VT-235 2 VT-268		USE: RADIO DIRECTION FINDER FOR LOCATING ENEMY TRANSMITTERS. RANGE: TO COMMUNICATE WITH: DOES NOT APPLY TO REPLACE IN PART: None TRANSPORTATION: Camoed Truck TYPE OF SIGNAL: DOES NOT APPLY																																																																																													
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																																																																																															
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>BWIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>TOWER AND SHELTER ASSEMBLY TR-15 PACKED IN 5 CHESTS</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 CHEST CH-135 CONTAINING 3 SHELTER SIDE SECTIONS</td> <td>64"</td> <td>39"</td> <td>10"</td> <td>329#</td> <td></td> </tr> <tr> <td>1 CHEST CH-136 CONTAINING ROOF SECTION</td> <td>64"</td> <td>63"</td> <td>9"</td> <td>257#</td> <td></td> </tr> <tr> <td>1 CHEST CH-137 CONTAINING 3 LOWER TOWER LEGS, 3 UPPER TOWER LEGS, 1 AREA BLOCK, AND 3 RIDGES</td> <td>90"</td> <td>12"</td> <td>11"</td> <td>210#</td> <td></td> </tr> <tr> <td>1 CHEST CH-201 CONTAINING FLOOR SECTION</td> <td>72"</td> <td>72"</td> <td>7"</td> <td>251#</td> <td></td> </tr> <tr> <td>1 CHEST CH-202 CONTAINING 3 GAGE RILLS, TANKY TRIPPOD LG-23-B, COMPASS TRIPPOD LG-74-B, AND GROUND ROD GP-28</td> <td>12"</td> <td>120"</td> <td>8"</td> <td>200#</td> <td></td> </tr> <tr> <td>ANTENNA MAST ASSEMBLY AM-105 PACKED IN CHEST CH-105</td> <td>108"</td> <td>13"</td> <td>14"</td> <td>215#</td> <td></td> </tr> <tr> <td>PEDERSTAL ASSEMBLY PT-365 PACKED IN CHEST CH-126</td> <td>30"</td> <td>50"</td> <td>38"</td> <td>194#</td> <td></td> </tr> <tr> <td>RECEIVER CABINET CS-155 CONTAINING 1 RECEIVER RC-1005, 1 POWER UNIT RE-155, AND 1 COND CD-1028</td> <td>26"</td> <td>26"</td> <td>16"</td> <td>170#</td> <td></td> </tr> <tr> <td>MISCELLANEOUS ACCESSORIES</td> <td>---</td> <td>---</td> <td>---</td> <td>35#</td> <td></td> </tr> <tr> <td colspan="6">NOTE: DIMENSIONS AND WEIGHTS SHOWN ARE FOR CHESTS, INCLUDING COMPONENTS PACKED THEREIN.</td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS</td> <td>7,634#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS</td> <td></td> <td></td> </tr> <tr> <td colspan="4">SHP TONNAGE</td> <td></td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	BWIDTH	DEPTH	TOWER AND SHELTER ASSEMBLY TR-15 PACKED IN 5 CHESTS						1 CHEST CH-135 CONTAINING 3 SHELTER SIDE SECTIONS	64"	39"	10"	329#		1 CHEST CH-136 CONTAINING ROOF SECTION	64"	63"	9"	257#		1 CHEST CH-137 CONTAINING 3 LOWER TOWER LEGS, 3 UPPER TOWER LEGS, 1 AREA BLOCK, AND 3 RIDGES	90"	12"	11"	210#		1 CHEST CH-201 CONTAINING FLOOR SECTION	72"	72"	7"	251#		1 CHEST CH-202 CONTAINING 3 GAGE RILLS, TANKY TRIPPOD LG-23-B, COMPASS TRIPPOD LG-74-B, AND GROUND ROD GP-28	12"	120"	8"	200#		ANTENNA MAST ASSEMBLY AM-105 PACKED IN CHEST CH-105	108"	13"	14"	215#		PEDERSTAL ASSEMBLY PT-365 PACKED IN CHEST CH-126	30"	50"	38"	194#		RECEIVER CABINET CS-155 CONTAINING 1 RECEIVER RC-1005, 1 POWER UNIT RE-155, AND 1 COND CD-1028	26"	26"	16"	170#		MISCELLANEOUS ACCESSORIES	---	---	---	35#		NOTE: DIMENSIONS AND WEIGHTS SHOWN ARE FOR CHESTS, INCLUDING COMPONENTS PACKED THEREIN.						COMBINED WEIGHT OF COMPONENTS				7,634#		COMBINED VOLUME OF COMPONENTS						SHP TONNAGE					
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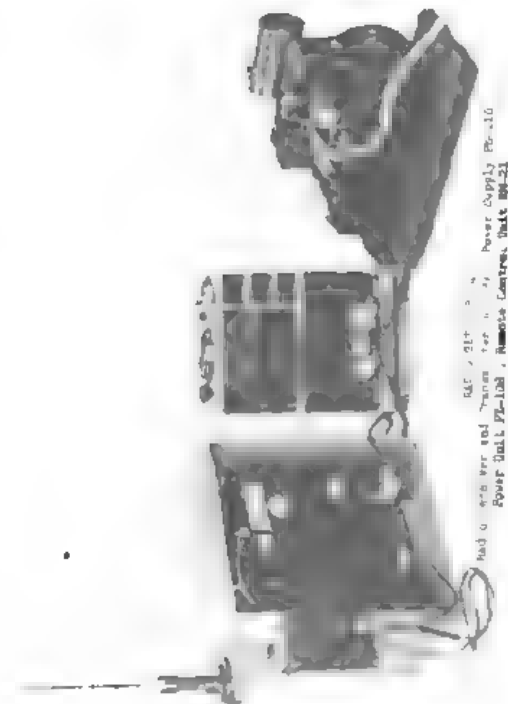
THIS SHEET IS CLASSIFIED UNCLASSIFIED

SCR-551		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		SUBSTITUTE STANDARD 11 JUN 42		INSTRUCTIONAL LITERATURE TM 11-21.7 (FOR SCR-551-A)		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)				CHANGE IN STATUS				
FREQUENCY RANGE: (MC) 2.0 TO 20.0 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: AEROBIC TUNING: (MC OR XTAL) DOES NOT APPLY SENSITIVITY: 5 - 30 MICROVOLTS/METER SELECTIVITY: POWER SOURCE: 6V STORAGE BATTERY SIMILAR SETS: SCR-255, 555, 556 POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 VT-66 1 VT-86 1 VT-91 1 VT-103 1 VT-126 1 6X5 1 VT-80 1 VT-90 1 VT-99 1 VT-116 1 VT-165 1 5AR5 (C.R.)				USE: RADIO DIRECTION FINDER FOR LOCATING ENEMY TRANSMITTERS AND FOR NAVIGATIONAL AID TO FRIENDLY AIRCRAFT. RANGE: TO COMMUNICATE WITH: DOES NOT APPLY TO REPLACE IN PART: SCR-255 TRANSPORTATION: 2 1/2 TON CARGO TRUCK TYPE OF SIGNAL: DOES NOT APPLY								
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)												
ITEM		DIMENSIONS		WEIGHT		CLASSIFICATION						
		HEIGHT	WIDTH	DEPTH								
CABLE CONTAINER:				15 1/2"	212#							
VIBRATOR UNIT VC-131					20#							
CONTROL PANEL PW-21					29#							
OSCILLOSCOPE SC-991					38#							
RADIO RECEIVER SC-976		80"			40#							
TOWER TR-51		15'	5 1/2'	9'	516#							
AEROBIC ANTENNA			15'		33#							
SHELTER HO-11		86"	80"	80"	205#							
COMBINED WEIGHT OF COMPONENTS INCLUDING CABLES, LADDER, BATTERIES					2500#							
COMBINED VOLUME OF COMPONENTS												
SHIP TONNAGE												

 RADIO SET SCR-551
 PREPARED FOR DIRECTION FINDING

 EQUIPMENT AND OPERATOR ROTATE ON TOP OF 15-FOOT TOWER. GIVES
 AZIMUTH BEARING AND LEFT/RIGHT BEARING INDICATION ON OSCILLOSCOPE.

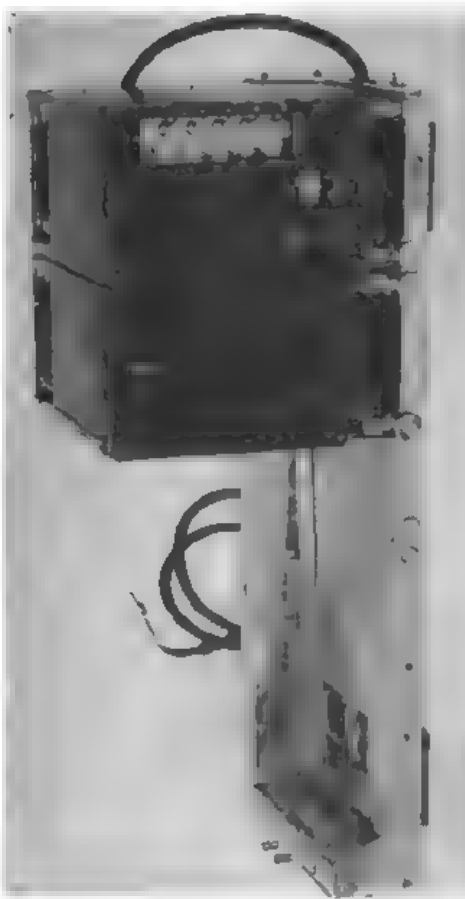
THIS SHEET IS CLASSIFIED UNCLASSIFIED

INSTRUCTIONAL LITERATURE TM 11-625	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-543		
 DAC, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000 MEDIUM POWER MOBILE COMMAND SET, CAPABLE OF OPERATION IN A MOVING VEHICLE			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MC) 1.68 - 4.45 NUMBER OF CRYSTALS: 6 PRESET FREQUENCIES: 6 ANTENNA: 15' WHIP ANTENNA. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: Power Supply Unit PE-110 115V AC, Power Unit PE-108. SIMILAR SETS: POWER OUTPUT: (WATTS) 45 TUBES: (TYPE AND NUMBER) SCR-543-G USES: 1 BC-669; 1 6X6; 1 6X5; 2 607; 1 6L6; 4 6X6; 3 6X7; 1 32W50T; 1 68A7; 1 6X60T. 1 PE-110-G-1 TYPE 80; 4 5Z3.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: DAC: FIRING BATTERY, BARRAGE BELLOWS UNITS, & AA UNITS. RANGE: (MILES) 15 MOVING, 20-30 STATIONARY. TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: VEHICLE. (CAN BE DISMOUNTED QUICKLY AND OPERATED WITH INCREASED RANGE AS FIELD STATION) TYPE OF SIGNAL: VOICE ONLY (AM)	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)						
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
RECEIVER & TRANSMITTER BC-669,		28 1/2"	20 3/8"	29 3/4"	1810	
POWER UNIT PE-110		22 1/2"	15 1/4"	26 3/4"	1630	
POWER UNIT PE-108		24"	28"	23 3/4"	3200	
COMBINED WEIGHT OF COMPONENTS						
COMBINED VOLUME OF COMPONENTS						
SHIP TONNAGE						

THIS SHEET IS CLASSIFIED RESTRICTED

SCR-542		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	INSTRUCTIONAL LITERATURE: TO OS-10-105	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED)			CHANGE IN STATUS:	
FREQUENCY RANGE: (MHz) 100 - 156 MHz. NUMBER OF CRYSTALS: 8 (4 Transmitters - 4 Receivers) PRESET FREQUENCIES: 4 PRESET CHANNELS, BOTH RECEIVERS AND TRANSMITTERS. ANTENNA: 1/4 WAVE, VERTICAL MAST - AM-74 & AN-74-A AN-104 & AN-104-A. TUNING: (MO OR XTAL) XTAL TUNING. SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 VOLT PRIMARY SOURCE AND PE-98 SIMILAR SETS: SCR-522 (EXCEPT VOLTAGE) POWER OUTPUT: 6 WATTS VOICE. TUBES: (TYPE AND NUMBER) SCR-542-A uses: 1 - 12J5GT 3 - 12SO7 1 - 12CB 3 - 832 1 - 9002 3 - 12A6 3 - 9003 1 - 6666 1 - 12AH7GT 2 - 6SS7			USE: Air Corps - Used in all types of aircraft. For Air-to-Air, Air-to-Ground communication. RANGE: (Miles) 135 at 1000 FT. (LINE OF SIGHT). TO COMMUNICATE WITH: OTHER AIRPLANES EQUIPPED WITH SCR-522 OR SCR-542, OR EQUIVALENT VHF COMMAND EQUIPMENT, ALSO GROUND INSTALLATIONS HAVING SUFFICIENT DHF GROUND FACILITIES. TO REPLACE IN PART: TRANSPORTATION: AIRBORNE INSTALLATION. TYPE OF SIGNAL: VOICE AND SPECIAL TONE SIGNAL WHEN USED WITH CONTACTOR EQUIPMENT RC-96.				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
CASE CS-80 CONTAINING: RADIO TRANSMITTER BC-625 RADIO RECEIVER BC-624 RADIO FT-244	16 3/32"	12 9/16"	10 11/16"	49#			
DYNAMOTOR PE-98	32 25/32"	8 27/32"	6 15/16"	37#			
RADIO CONTROL BOX RC-602	5 7/8"	5 9/16"	2 1/2"	2.1#			
COMBINED WEIGHT OF COMPONENTS				97 #	APPROXIMATELY		
COMBINED VOLUME OF COMPONENTS				1.8 CU FT APPROX.			
SHIP TONNAGE							

THIS SHEET IS CLASSIFIED RESTRICTED

INSTRUCTIONAL LITERATURE: TM 11-600	STATUS: CHANGE IN STATUS:	STANDARD 19 Apr 61	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-538																														
 RADIO SET SCR-538 FROM VIEW RECEIVER ONLY. COMBINED END RECEIVER AND A SEPARATE INTERPHONE AMPLIFIER. SAME MOUNTING BASE FT-237 IS USED AS FOR SCR-508 AND 520 PERMITTING USE OF THE COMPONENTS OF ANY OF THESE SETS. SCR-508 WHOLLY OCCUPIES THE MOUNTING BASE AND SCR-520 ONLY PARTLY. SEE SCR-508.			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE (MHz): 20 to 27.9 (RECEIVER ONLY) NUMBER OF CRYSTALS: PRESET FREQUENCIES: 10 - PUSH BUTTON SELECTION ANTENNA: 9 FT. FIBERPOLE TUNING: (MD OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: VEHICLE BATTERY (12 V OR 24 V) SIMILAR SETS: POWER OUTPUT (WATTS) TUBES: (TYPE AND NUMBER) SCR-538 USES: 1-6D-605-A1; 1-6D-605-A1; 1-6D-605-A1; 2-6 SL 7 GT; 1-6H6; 1-6J5; 1-6V6 GT; 3-6AC 7/1852; 2-12287; 1-605-A1; 2-1619 TUBES.	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: Com MESS & MYDS; ARMY FI TANK AND MAINTENANCE UNITS. RANGE: (MILES) TO COMMUNICATE WITH: SCR-295; SCR-508; SCR-509; SCR-510; SCR-528. TO REPLACE IN PART: SCR-210; SCR-296. TRANSPORTATION: TRANSPORTED AND OPERATED IN VEHICLE TYPE OF SIGNAL: VOICE (FM)																														
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																															
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th>WEIGHT</th> <th>CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RECEIVER 6D-605. INTERPHONE AMP. 6D-605 MOUNTING FT-237, MARY BASE MP-37 OR 57</td> <td>1 1/2"</td> <td>1 1/2"</td> <td>3 1/2"</td> <td>135 #</td> <td></td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>COMBINED VOLUME</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SHIP TONNAGE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RECEIVER 6D-605. INTERPHONE AMP. 6D-605 MOUNTING FT-237, MARY BASE MP-37 OR 57	1 1/2"	1 1/2"	3 1/2"	135 #		COMBINED WEIGHT OF COMPONENTS:						COMBINED VOLUME						SHIP TONNAGE			
ITEM	DIMENSIONS				WEIGHT	CLASSIFICATION																												
	HEIGHT	WIDTH	DEPTH																															
RECEIVER 6D-605. INTERPHONE AMP. 6D-605 MOUNTING FT-237, MARY BASE MP-37 OR 57	1 1/2"	1 1/2"	3 1/2"	135 #																														
COMBINED WEIGHT OF COMPONENTS:																																		
COMBINED VOLUME																																		
SHIP TONNAGE																																		

SCR-536		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		INSTRUCTIONAL LITERATURE TM 11-235			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MC) 3.5 TO 6.0 NUMBER OF CRYSTALS: ONE TRANSMITTING AND ONE RECEIVING CRYSTAL REQUIRED PER CHANNEL. PRESET FREQUENCIES: ONE PRESET CHANNEL PROVIDED. ANTENNAS: $\frac{1}{4}$ " SHIP ANTENNA - TELESCOPE INTO SET BOX. RECEIVER IS TUNED ON WHEN ANTENNA IS EXTENDED. TUNING: (MC OR XTAL) CRYSTAL. SENSITIVITY: SELECTIVITY: POWER SOURCE: SELF-CONTAINED BAY BATTERIES. SIMILAR SETS: NONE POWER OUTPUT: (WATTS) .027 TUBES: (TYPE AND NUMBER) 1 6C-611-B TRANSCEIVER. TUBES: 1, 1 R 5 TUBES: 1, 1 S 5 TUBES: 1, 1 T 4 TUBES: 2, 3 S 4 TUBE.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: USED BY PARACHUTE TROOPS, AIRBORNE TROOPS, AND AMB-TANK UNITS OF THE INFANTRY FOR SHORT RANGE COMMUNICATION. RANGE: (MILES) 1 1/2 TO COMMUNICATE WITH: SCR-187, SCR-188, SCR-193, SCR-245, SCR-274-H, SCR-283, SCR-287, SCR-288. TO REPLACE IN PART: NONE. TRANSPORTATION: MAN PORT TYPE OF SIGNAL: VOICE ONLY. (AM)				CHANGE IN STATUS			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)											
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION						
	HEIGHT	WIDTH	DEPTH								
RECEIVER AND TRANSMITTER 6C-611	15 3/4"	5 3/8"	3 3/4"	5.50							
COMBINED WEIGHT OF COMPONENTS				6#							
COMBINED VOLUME OF COMPONENTS				180 Cu. IN.							
SHIP TONNAGE				B #							



RADIO SET SCR-536

RADIO SET SCR-536 IS A VERY COMPACT RECEIVER - TRANSMITTER RESEMBLING AN OVERSIZE TELEPHONE HAND SET. COMPLETE WITH BATTERIES, ANTENNA, TRANSMITTER, RECEIVER, - AND HAND SET IN ONE CASE.

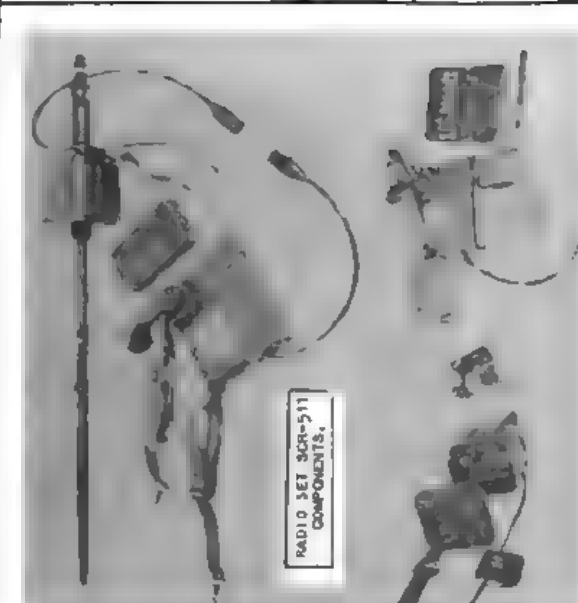
INSTRUCTIONAL LITERATURE TM 11-600	STATUS	STANDARD 22 JUL 41	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-528			
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: 1)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)		
 RADIO SET SCR-528 INSTALLED IN DODGE TRUCK, 3/4-TON & X L COMMAND VEHICULAR, SHORT RANGE FM TRANSMITTER AND RECEIVER, SEE SCR-508.			FREQUENCY RANGE: (MC) 20.0 TO 27.9 NUMBER OF CRYSTALS: 80 PRESET FREQUENCIES: 10 ANTENNA: 9 FOOT FISHPOLE TUNING (MC OR XTAL): XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 12v (XMT) DM-35 (RECV.) DM-34 24v (XMT) DM-37 (RECV.) DM-34 SIMILAR SETS: Same as SCR-508 MINUS ONE RADIO RECEIVER BC-603. POWER OUTPUT: (WATTS) 25 AT 100% MODULATION TUBES: (TYPE AND NUMBER) SCR-528 USES: 1-BC-603-C REC.; 1-6X5; 1-6J5; 1-6V6GT; 3-6AC7/ 1852; 2-12 SO 7; 2-6 SL7 GT. 1-BC-603-C TRANS. 7-1619; 1-1624. (TUBE CONTENTS MAY VARY IN DIFFERENT MODELS. MODEL 528-C IS DATED TO SHOW TUBE CONTENT AS BEING FM A- LT TYPICAL.)		USE: CM; EMB; FA; MED DEPT; GNC; ARMS F; INTERMEDIATE COMMAND TANK & VEHICLES OF ARMORED FORCE, GNC, CORPS AND DIVISIONS. RANGE: (MILES) 7 WHILE IN MOTION TO COMMUNICATE WITH: SCR-295; SCR-296; SCR-508; SCR-509; SCR-510; SCR-528; SCR-538. TO REPLACE IN PART: SCR-295; SCR-245 IN ARMORED FORCE. TRANSPORTATION: AND OPERATION IN VEHICLES. TYPE OF SIGNAL: VOICE (FM)		
	PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)						
	ITEM			DIMENSIONS			WEIGHT
			HEIGHT	WIDTH	DEPTH		
TRANSMITTER BC-604 (INTERNAL INTERPHONE) RECEIVER BC-603 MOUNTING FT-237			14"	14 1/2"	3 1/2"	175 #	
COMBINED WEIGHT OF COMPONENTS:							
COMBINED VOLUME:							
SHIP TONNAGE:							

SCR-522		NOMENCLATURE DESIGNATION	NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS	STANDARD 8 Sep 41	INSTRUCTIONAL LITERATURE TO 08-10-105	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED) FREQUENCY RANGE: (Mc) 100 - 156 Mc NUMBER OF CRYSTALS: 8 (1/2 TRANS. 1/2 RECV.) PRESET FREQUENCIES: 1/2 PRESET CHANNELS BOTH RECV. & TRANS. ANTENNA: AN-74 & AN-74-A; AN-104 & AN-104-A - 1/4 WAVE, VERTICAL MAST. TUNING: (MO OR XTAL) CRYSTAL TUNING SENSITIVITY: SELECTIVITY: POWER SOURCE: 28 VOLTS. PRIMARY SOURCE AND PE-94 SIMILAR SETS: RADIO SET SCR-542 (12 VOLT VERSION OF SCR-522) POWER OUTPUT: (WATTS) 6 WATTS VOICE. TUBES: (TYPE AND NUMBER) SCR-522-A USES: 1 - 12L5BT 3 - 12X67 1 - 1200 3 - 813 1 - 9002 1 - 12A6 1 - 9003 1 - 6468 1 - 12AH7BT 2 - 6467			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION RESTRICTED) USE: Air Corps - USED IN ALL TYPES OF AIRCRAFT. FOR: Air-to-Air; Air-to-Ground COMMUNICATION. RANGE: (MILES) 150 AT 10,000 FEET. (LINE OF SIGHT) TO COMMUNICATE WITH: OTHER AIRPLANES EQUIPPED WITH SCR-522 OR SCR-542, OR EQUIVALENT VHF COMMAND EQUIPMENT, ALSO GROUND INSTALLATIONS HAVING SUFFICIENT VHF GROUND FACILITIES. TO REPLACE IN PART: SCR-274-N AND SCR-283. TRANSPORTATION: AIRBORNE INSTALLATION. TYPE OF SIGNAL: VOICE AND SPECIAL TONE SIGNAL WHEN USED WITH CONTACTOR EQUIPMENT RC-95.		CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION			
	HEIGHT	WIDTH	DEPTH					
CASE CS-80 CONTAINS: RADIO TRANSMITTER RC-625 RADIO RECV. VER RC-626 RACE FY-244	16 5/32"	12 9/16"	10 11/16"	49 ^{lb}				
DIAPHRAGM PE-94	12 25/32"	8 27/32"	6 15/16"	37 ^{lb}				
RADIO CONTROL BOX RC-602	5 7/8"	5 9/16"	2 1/2"	2.4 ^{lb}				
COMBINED WEIGHT OF COMPONENTS				91 ^{lb} APPROX.				
COMBINED VOLUME				1.8 CU. FT. APPROX.				
SHIP TONNAGE								

NON-MAINT. AND REPAIRING SETS
 ANTENNA MOUNTING BRACKET RC-104

COMPONENTS OF RADIO SET SCR-522 AND ANTENNA AN-104

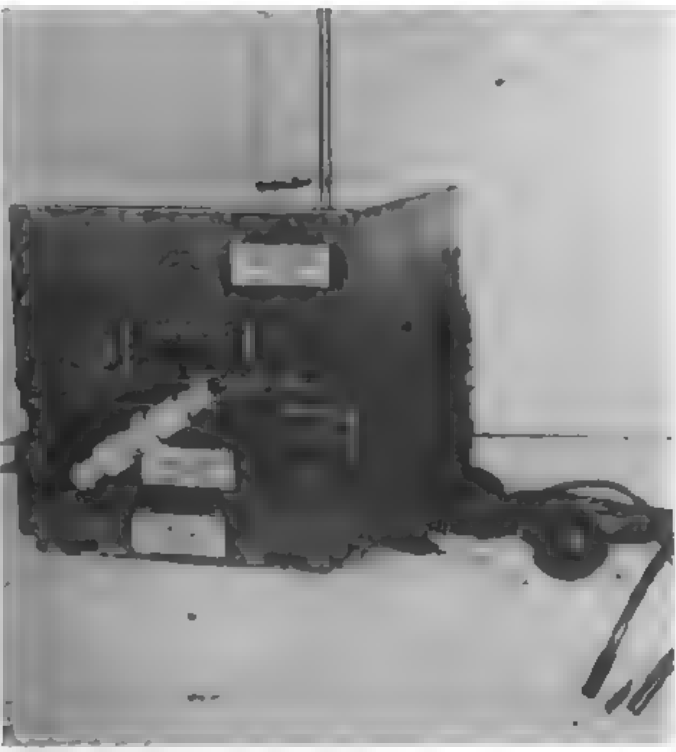
DATE 8-4-43
 REG. NO. D 3435 R

INSTRUCTIONAL LITERATURE TM 11-243		STATUS	STANDARD 1 Jun 43	NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION:	SCR-511																																																														
CHANGE IN STATUS:					PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)																																																															
		RADIO SET SCR-511 IS A LIGHT WEIGHT VOICE-OPERATED SET USED FOR COMMUNICATION BETWEEN SMALL UNITS OF THE CAVALRY. THIS SET CAN BE USED BY PERSONNEL WHO ARE NOT TRAINED RADIO SPECIALISTS.		FREQUENCY RANGE: (Mc) 3.0 - 6.0. NUMBER OF CRYSTALS: 2 IN EACH TUNING UNIT; 13 TUNING UNITS/ SET AUTHORIZED. PRESET FREQUENCIES: 1 TUNING UNIT INSTALLED; 1 SPARE TUNING UNIT CARRIED WITH SET. ANTENNA: TELESCOPE MOUNT. THIS ANTENNA AUTOMATICALLY GOES ON-OFF SWITCH WHEN EXTENDED. TUNING: (MC OR KTL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: INTERNAL DRY BATTERIES BA-49. SIMILAR SETS: None POWER OUTPUT: (Watts) 0.75 TUBES: (TYPE AND NUMBER) RADIO RECV. BC-1149; 1 5A4G(VT-344) 1 6A6(VT-90); 1 6A5(VT-74); 1 6SN7(VT-150); 1 6SN7(VT-146) 1 6SK7(VT-119); 1 6X5(VT-103); 1 6V6-GT(VT-107-A); 1 1A5(VT-30-30) (VT-139) TANGENT TRANSMITTER BC-1149; 1 1A5(VT-174); 1 12X6(VT-148); CONTROL PANEL PH-31; 1 2X2(VT-119); 1 5A4G(VT-344); 1 6A6(VT-119); 1 6A5(VT-74); 1 6SN7(VT-150); 1 6SN7(VT-146)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: DAY, TR; ENER, CO. & TR; INFO, PARA, MTH, & AIRBORNE UNIT; 1ST CO, CO MTH DIV; CO MTH DIV; CO AMPHIBIAN. RANGE: (MILES) 5 NORMAL TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: MAN OR FOOT, HORSE, OR VEHICLE. TYPE OF SIGNAL: VOICE (AM)																																																														
		RADIO SET SCR-511 IS A LIGHT WEIGHT VOICE-OPERATED SET USED FOR COMMUNICATION BETWEEN SMALL UNITS OF THE CAVALRY. THIS SET CAN BE USED BY PERSONNEL WHO ARE NOT TRAINED RADIO SPECIALISTS.		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION) <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO RECV. & TRANS. BC-745</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TUNING UNIT BC-746</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>POWER SUPPLY UNIT PE-157</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CASE UNIT T-39</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MOUNTING FT-358</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>BATTERY BA-49</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5">COMBINED WEIGHT OF COMPONENTS</td> <td>20#</td> </tr> <tr> <td colspan="5">COMBINED VOLUME</td> <td>0.5 cu ft</td> </tr> <tr> <td colspan="5">SHIP TONNAGE.</td> <td></td> </tr> </tbody> </table>		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO RECV. & TRANS. BC-745						TUNING UNIT BC-746						POWER SUPPLY UNIT PE-157						CASE UNIT T-39						MOUNTING FT-358						BATTERY BA-49						COMBINED WEIGHT OF COMPONENTS					20#	COMBINED VOLUME					0.5 cu ft	SHIP TONNAGE.					
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SHIP TONNAGE.																																																																				

SCR-510		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 15 JUL 41	INSTRUCTIONAL LITERATURE: TM 11-605
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)			CHANGE IN STATUS:		
FREQUENCY RANGE: (Mc) 20.0 - 27.5 NUMBER OF CRYSTALS: 80 PRESET FREQUENCIES: 2 ANTENNA: 6 FT. TELESCOPIC MAST, AND VEHICULAR WHIP. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERIES OR VIBRATOR PACK FOR OPERATION FROM ANY 6 OR 12 V VEHICULAR BATTERY. SIMILAR SETS: SCR-309 WHICH USES DRY BATTERIES ONLY. POWER OUTPUT: (WATTS) 1.8 100% MODULATION. TUBES: (TYPE AND NUMBER) SCR-510-A USES: 1 6C-620-A - 1 1L6; 1 1L6; 1 1299; 1 1299; 1 1L6; 2 1291. 1 PE-97-A - 1 VR50-30; 1 6K1005.			USE: FAR SEND STAY; MD: Cc Ss ARMS; Ss Gz Cc ARMS; ARMS F; TD: Ss. JACD BY FORWARD OBSERVERS FOR LIAISON PURPOSES. RANGE: (Miles) 5 IN MOTION. TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508; SCR-509; SCR-510; SCR-520; SCR-530. TO REPLACE IN PART: SCR-194; SCR-195. TRANSPORTATION: TRANSPORTED & OPERATED IN VEHICLE OR CARRIED BY MAN ON FOOT. TYPE OF SIGNAL: Voice (FM)					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)								
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION		
		HEIGHT	WIDTH	DEPTH				
RECVR. & TRANS. 6C-620- PLATE SUPPLY UNIT PE-97								
COMBINED WEIGHT OF COMPONENTS:					6.50			
COMBINED VOLUME					1.5 cu. ft.			
SHIP TONNAGE								

RADIO SET SCR-510 SHOWING SET INSTALLED IN RIGHT CENTER SECTION
OF SCOUT CAR B 3 A 1

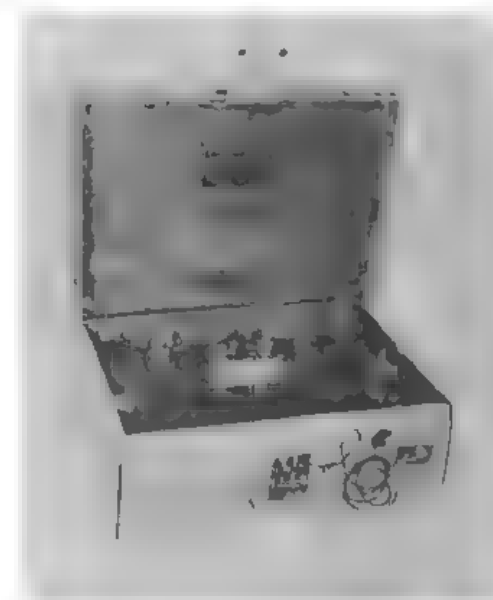
RADIO SET SCR-510 IS THE SAME AS RADIO SET SCR-309 EXCEPT FOR THE
ADDITION OF VEHICULAR COMPONENTS. SHORT RANGE FREQUENCY MODULATED
VEHICULAR OR GROUND RADIO SET. MAY ALSO BE USED AS SHORT RANGE
VEHICULAR COMMAND SET.

INSTRUCTIONAL LITERATURE: TM 11-405	STATUS:	STANDARD 14 JUL 61	NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DENOMINATION		SCR-509			
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MHz) 20.0 - 27.9 NUMBER OF CRYSTALS: 80 PRESET FREQUENCIES: 2 ANTENNA: 8 Ft. FINDER (ANT. AM-45) TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECT VITY: POWER SOURCE: DRY BATTERIES BA-39; BA-40; BA-41 SIMILAR SETS: SCR-510 POWER OUTPUT: (Watts) 1.8 100% Modulation. TUBES: (TYPE AND NUMBER) SCR-509-A USED: 1 8C-620-A - 1; 1LW5; 1 11C4; 1 1299; 1 1294; 1 1LW6; 2 1291.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: ARMED FORCE: To BN; ARMED REST; INF REST; SHORT RANGE RECONNAISSANCE AND SIMILAR MISSIONS. RANGE: (Miles) 5 on ground. TO COMMUNICATE WITH: SCR-292; SCR-294; SCR-506; SCR-509; SCR-510; SCR-536; SCR-538. TO REPLACE IN PART: SCR-195 WITHIN THE ARMED FORCE. TRANSPORTATION: Man or foot or in any vehicle. TYPE OF SIGNAL: Voice; (FM)				
 RADIO SET SCR-509 SET UP FOR OPERATION RADIO SET SCR-509 IS A LIGHT WEIGHT, SHORT RANGE FREQUENCY MODULATED SET.			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)						
			ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
					HEIGHT	WIDTH	DEPTH		
			RADIO RECEIVER & TRANSMITTER RD-400.						
			COMBINED WEIGHT OF COMPONENTS						
			COMBINED VOLUME OF COMPONENTS:						
SHIP TONNAGE									

SCR-508		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		INSTRUCTIONAL LITERATURE: TM 11-600			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MC) 20.0 TO 27.9 NUMBER OF CRYSTALS: 80 PRESET FREQUENCIES: 10 (PUSH BUTTON SELECTION). ANTENNA: 9 FT. FIBROPE TUNING: (MC ON XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 OR 24 VOLT BATTERY. SIMILAR SETS: SCR-508 EXCEPT FREQUENCY. POWER OUTPUT: (WATTS) 25 100% MODULATION. TUBES: (TYPE AND NUMBER) BC-603-C RECEIVER 1 TUBE TYPE 6 H 6; 1 TUBE TYPE 6 J 5; 1 TUBE TYPE 6 V 6 GT; 3 TUBES TYPE 6 A C 7; 2 TUBES TYPE 12 SG 7; 2 TUBES TYPE 6 SL 7 GT. BC-604-C TRANS- MITTER 7 TYPE 1619 TUBES; 1 TYPE 1624 TUBE.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: ARMORED FORCE, FIELD ARTILLERY, INSTAL- LATION IN COMMAND TANKS AND VEHICLES OF AF, OHQ., CORPS AND DIVISIONS WHERE IT IS NECESSARY TO MONITOR 2 FREQUENCIES SIMULTANEOUSLY. RANGE: (MILES) 7 IN MOTION. TO COMMUNICATE WITH: SCR-293; SCR-294, SCR-308; SCR-509; SCR-510; SCR-520; SCR-528. TO REPLACE IN PART: SCR-193; SCR-245; SCR-293. TRANSPORTATION: VEHICLE. TYPE OF SIGNAL: VOICE; FM.				CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)						 SCR-508 IS A SHORT RANGE, VEHICULAR, FM SET. ARMORED FORCE COMMAND SET (AF 111). HAS INTERNAL INTERPHONE AMPLIFIER. NOTE: RADIO SETS SCR-508; SCR-508 AND SCR-520 ALL USE COMMON COMPONENTS AS FOLLOWS: SCR-508 1 TRANSMITTER; 2 RECEIVERS SCR-520 1 TRANSMITTER; 1 RECEIVER SCR-528 1 RECEIVER					
ITEM		DIMENSIONS		WEIGHT						CLASSIFICATION	
		HEIGHT WIDTH DEPTH									
TRANSMITTER BC-604				670							
RECEIVER (2) BC-603				700 (350 each)							
MOUNTING BASE FT-257				440							
VEHICLE ANTENNA											
COMBINED WEIGHT OF COMPONENTS				1914							
COMBINED VOLUME OF COMPONENTS											
SHIP TONNAGE											

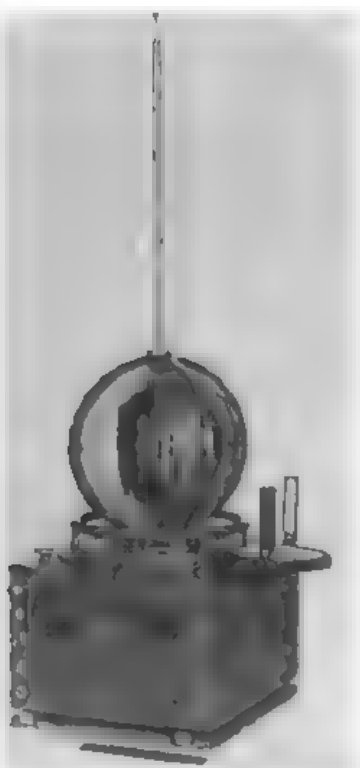
INSTRUCTIONAL LITERATURE: TM 11-630	STATUS: CHANGE IN STATUS	STANDARD: 19 Dec 41	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-506																																				
 RADIO SET SCR-506-A - INSTALLED IN TRUCK, 1/4-TON 4 x 4 Front View - Shooting Control Panel			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MO) TRANS. 2-4.5; RECV. 2-6 NUMBER OF CRYSTALS: 1 (XTAL CALIBRATED) PRESET FREQUENCIES: 4 ANTENNA: 15' FISHPOLE TO USE WHILE MOVING, W TH 10' EXTEND OR TO BE USED WHILE AT A HALT. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: VEHICULAR POWER SYSTEM 12 OR 24 V. INPUT. SIMILAR SETS: POWER OUTPUT: (WATTS) 100 CW; 25 WATTS VOICE TUBES: (TYPE AND NUMBER) SCR-506 USES: 1-80- 652-A; 2-6 SC 7; 2-12 8A 7; 2-12 K 8; 1-12 8R 7; 1-12 D 8; 1-6 8 B; 1-6 Y 5 B; 1-12 86 7; 1-00-653-A; 1-807; 2-814; 2-1613; 2-VN-105-30. NOTE: 506-A ALSO LISTED HAS 18 TUBES, ALSO IDENTICAL WITH SCR-506 SHOWN ABOVE.	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: TD; ARMED F; CAV; EMBUS; FA; 314 C; USED IN LIGHT TANK M-3 & IN OTHER ARMORED VEHICLES. RANGE: (MILES) TO CW; 25 VOICE. TO COMMUNICATE WITH: SCR-131; SCR-171; SCR-187; SCR-193; SCR-203; SCR-209; SCR-210; SCR-236; SCR-245; SCR-259; SCR-287. TO REPLACE IN PART: SCR-193-IN AF TRANSPORTATION (AND OPERATION): IN VEHICLE IN WHICH SET IS INSTALLED. TYPE OF SIGNAL: CW; VOICE (AM)																																				
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)																																					
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th>WEIGHT</th> <th>CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>TRANS. 80-653,</td> <td>13 13/16"</td> <td>33 1/8"</td> <td>14 1/4"</td> <td>174#</td> <td></td> </tr> <tr> <td>RECV. 80-652</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS.</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>COMBINED VOLUME</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SHIP TONNAGE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	TRANS. 80-653,	13 13/16"	33 1/8"	14 1/4"	174#		RECV. 80-652						COMBINED WEIGHT OF COMPONENTS.						COMBINED VOLUME						SHIP TONNAGE			
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SCR-504		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS		INSTRUCTIONAL LITERATURE	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)		CHANGE IN STATUS:				TM 11-562 (for SCR-504-A)	
FREQUENCY RANGE: (MHz) .1 - 65 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: LOOP TUNING: (MD OR XTAL) DOES NOT APPLY SENSITIVITY: 50 - 200 MICROVOLTS/METER SELECTIVITY: POWER SOURCE: MINIATURE STORAGE BATTERY (BB-51, BB-52) SIMILAR SETS: NONE POWER OUTPUT: (WATTS) TUBES: (Type and Number) 1 1LB4 1 VT-177 1 VT-178 5 VT-179		USE: THIS EQUIPMENT IS INTENDED TO BE USED FOR INTELLIGENCE PURPOSES, PARTICULARLY FOR THE SPECIFIC LOCATION OF UNAUTHORIZED TRANSMITTERS. RANGE: SHORT TO COMMUNICATE WITH: DOES NOT APPLY. TO REPLACE IN PART: TRANSPORTATION: PORTABLE TYPE OF SIGNAL: DOES NOT APPLY.							
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)									
ITEM		DIMENSIONS			WEIGHT		CLASSIFICATION		
		HEIGHT	WIDTH	DEPTH					
RADIO RECEIVER BC-792		6"	18"	13"	25#				
BATTERY CHARGER PE-128		9 3/4"	12"	8"	16#				
HEADSET HS-34		---	---	---	1 oz.				
COMBINED WEIGHT OF COMPONENTS					55#				
COMBINED VOLUME OF COMPONENTS									
GWP TONNAGE									



RADIO SET SCR-504

RADIO RECEIVER BC-792, A HAND PORTABLE DIRECTION FINDER, MOUNTED IN SUIT CASE AND READY FOR OPERATION. SHOWING EXTENDED SENSE ANTENNA, EXTERNAL CONTROLS AND MINIATURE HEADSET OF THE HEARING-AID TYPE. BATTERY CHARGER PE-128 IS USED AS PART OF SET BUT IS NOT NECESSARILY TAKEN ALONG WITH RECEIVER ON OPERATING MISSIONS.

INSTRUCTIONAL LITERATURE:	STATUS:	SUBSTITUTE STANDARD 11 Jun 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-503																																																																																		
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			RANGE: SHORT TO COMMUNICATE WITH: DOES NOT APPLY. TO REPLACE IN PART: SCR-206 TRANSPORTATION: PORTABLE TYPE OF SIGNAL: DOES NOT APPLY																																																																																			
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RADIO SET SCR-503

THIS SET COMES IN 3 UNITS - LOW FREQUENCY UNIT .1 TO 1.0 MC, HIGH FREQUENCY UNIT 1.0 TO 3 MGS, THIRD UNIT UNDER DEVELOPMENT TO COVER RANGE OF 3 TO 10 MC.

THIS SHEET IS CLASSIFIED UNCLASSIFIED

RADIO SET SC-4399 INCLUDES RADIO SET SC-4399 PACKAGE FOR AIRBORNE SHIPMENT; DOES NOT INCLUDE SHELTER NO-17 AND TAILER, K-5 FOR POWER UNIT. ABOVE PHOTOGRAPH SHOWS COMPONENTS IN SHELTER NO-17.

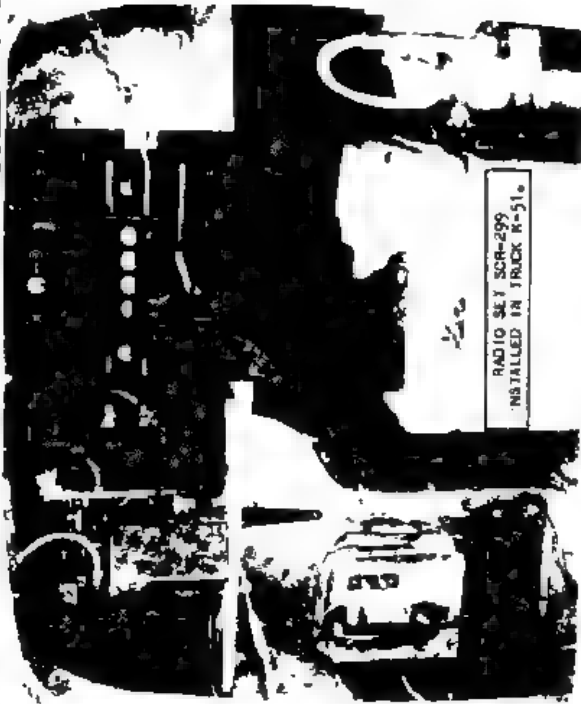


INSTRUCTIONAL LITERATURE TM 11-281	STATUS	STANDARD 8 JUN 43	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-399																																																																				
 RADIO SET SCR-399. INTERIOR VIEW SHOWING OPERATING POSITION			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MC) TRANS. 2.0 - 18.0 RECV. 1.5 - 18.0 NUMBER OF CRYSTALS: 36 PRESET FREQUENCIES: 3 ANTENNA: WH P OR LONG WIRE TUNING: (MC OR XTAL) BOTH SENSITIVITY: SELECTIVITY: POWER SOURCE: A.C. 110 volts, 60 cycle, SINGLE PHASE; POWER UNIT PE-95. SIMILAR SETS: SCR-299-A, B, C, D POWER OUTPUT: (WATTS) 400 CW, 300 VOICE (2-8 MC) 300 CW, 250 VOICE (8-12 MC); 275 CW, 200 VOICE (12-18 MC). TUBES: (TYPE AND NUMBER) 1 BC-312; 2 6C5, 1 6F6, 1 6X7, 1 6L7, 1 6R7, 1 BC-342; 2 6C5, 1 6F6, 1 6X7, 1 6L7, 1 6R7, 1 5BL, 1 BC-614-B, 3 6SN7BT, 1 6SA7, 1 6SQ7, 1 6J5, 1 80, 1 BC-610-B; 1 6V6, 2 100, 1 6L6, 2 2A5, 2 607, 2 5Y3, 1 250 Z B66A, 3 VR-150-90.	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: SIG C; AG; AF; FA; DAY; INF. RANGE: (MILES) 250 CW; 100 VOICE. TO COMMUNICATE WITH: SCR-177; SCR-183; SCR-187; SCR-193; SCR-197; SCR-209; SCR-237; SCR-258; SCR-265; SCR-274-N; SCR-283; SCR-284; SCR-285; SCR-287; SCR-288; SCR-506; SCR-511; SCR-536; SCR-543; SCR-563. TO REPLACE IN PART: SCR-197; SCR-299. TRANSPORTATION: POWER UNIT PE-95 IN 1 TON TRAILER. SHELTER HQ-17 WITH COMPONENTS INSTALLED MOUNTS ON 2 1/2 TON, 625 CARGO TRUCK. TYPE OF SIGNAL: CW, VOICE, (AM)																																																																				
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THIS SHEET IS CLASSIFIED: UNCLASSIFIED

SCR-300		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:	STANDARD 27 OCT 41	INSTRUCTIONAL LITERATURE
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MC) 40.0 - 48.0 NUMBER OF CRYSTALS: 2 PRESET FREQUENCIES: NONE ANTENNA: FISHPOLE TYPE TUNING: (MC OR XTAL) MC SENSITIVITY: SELECTIVITY: POWER SOURCE: LIGHT OR HEAVY DUTY (FOR LONGER OPERATIONAL HOURS) PLUS-IN TYPE DRY CELL BATTERY CONTAINING THE VOLTAGES FOR ALL TUBE ELEMENTS IN ONE UNIT. 5 MILAR SETS: SCR-194 AND SCR-195 POWER OUTPUT: (WATTS) APPROXIMATELY 1 TUBES: (TYPE AND NUMBER) VHF PORTABLE. 1 BC-1000 USES: 1 - 1-R-5 1 - 1-A-3 3 - 1-S-5 5 - 1-L-6 6 - 1-T-6 2 - 3-A-4		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: INFANTRY, FIELD ARTILLERY, COAST ARTILLERY, ADVANCED FIELD ARTILLERY, COAST ARTILLERY AND INFANTRY UNITS. RANGE: (MILES) 3 TO 5. TO COMMUNICATE WITH: SCR-300 ONLY. TO REPLACE IN PART: SCR-194 AND SCR-195. TRANSPORTATION: MAN-PACK. TYPE OF SIGNAL: FM - VOICE.		CHANGE IN STATUS:	RADIO SET SCR-300 IS A SMALL PORTABLE SET FOR USE BY ADVANCED FIELD ARTILLERY AND INFANTRY UNITS. CAPABLE OF BEING SETTER, FREQUENCY MODULATED.			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)								
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION			
	HEIGHT	WIDTH	DEPTH					
RECEIVER AND TRANSMITTER BC-1000	15"	10"	6"	178		RADIO SET SCR-300, WHEN USING CARRYING CONTROLS.		
BATTERY BA-70				156				
BATTERY BA-80				108				
ANTENNA AN-130								
ANTENNA AN-131								
COMBINED WEIGHT OF COMPONENTS:								
COMBINED VOLUME OF COMPONENTS					1200			
SHIP TONNAGE:					GV.FT.			

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

INSTRUCTIONAL LITERATURE	STATUS	LIMITED STANDARD 16 JUL 43	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION
SCR-299-A, B - TM 11-280-B SCR-299-C - 1B Stock No. SCR-299-D - 1B Stock No. SCR-299-E	CHANGE IN STATUS:			SCR-299
 RADIO SET SCR-299 INSTALLED IN TRUCK K-51.			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)	
			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)			PART D - TACTICAL CHARACTERISTICS (CLASSIFICATION)	
ITEM			HEIGHT	
WIDTH			DEPTH	
WEIGHT			CLASSIFICATION	
TRANS. BC-610 RECV. BC-312 & BC-342 SPEECH AMPLIFIER BC-614-A, B, C, D. ANT. TUNING UNIT BC-729 POWER UNIT PE-95 TRUCK K-51 TRAILER K-52			UNCLASSIFIED UNCLASSIFIED UNCLASSIFIED UNCLASSIFIED UNCLASSIFIED UNCLASSIFIED	
COMBINED WEIGHT OF COMPONENTS			(RADIO COMPONENTS ONLY) 1000# APPROX.	
COMBINED VOLUME				
SHIP TONNAGE				

RADIO SET SCR-299 (A, B, C, & D) ISSUED WITH TRUCK K-51 AND TRAILER K-52 AS INTEGRAL PARTS. SCR-299 ARE SCR-499 ISSUED WITH SHELTER HQ-17 AS A COMPONENT PART. 2 1/2 TON 6X6 CARGO TRUCK WILL BE FURNISHED BY UNDERMOUNT BUT IS NOT A PART OF THE SET. MAJOR COMPONENTS OF SET, PACKAGED FOR AIR TRANSPORT (SPECIAL D MODEL), ARE SCR-299 AND SCR-499.

FREQUENCY RANGE: (MC) TRANS: 2 - 8.0
RECV: 1.5 - 18.0

NUMBER OF CRYSTALS: 36 FURNISHED.

PRESET FREQUENCIES: 3

ANTENNA: SHIP OR LOBE WIRE.

TUNING: (MC OR XTAL) BOTH

SENSITIVITY: SELECTIVITY:

POWER SOURCE: COMMERCIAL 110V AC OR 95.

SIMILAR SETS: SCR-399; SCR-499.

POWER OUTPUT: (BATT) 400 CW; 300 VOICE.

TUBES: (TYPE AND NUMBER) SCR-299-A USES:

1 BC-312 - 2 6C5; 1 6F6; 1 6K7; 1 6L7; 1 6R7.
1 BC-342 - 2 6C5; 1 6F6; 1 6K7; 1 6L7; 1 6R7.
1 6L7 - 1 BC-614 - 3 63N7GT; 1 63R7; 1 6347;
1 6J5; 1 80. 1 BC-610-B - 1 6V6; 1 6L6; 2 807;
1 250; 2 100; 2 2A3; 2 5Z5; 2 866A; 3 6V150-50.

USE: SIGNAL CORPS, AIRBORNE, FIELD ARTILLERY,
Cavalry, Infantry. COMPONENTS INSTALLED
IN VEHICLES.

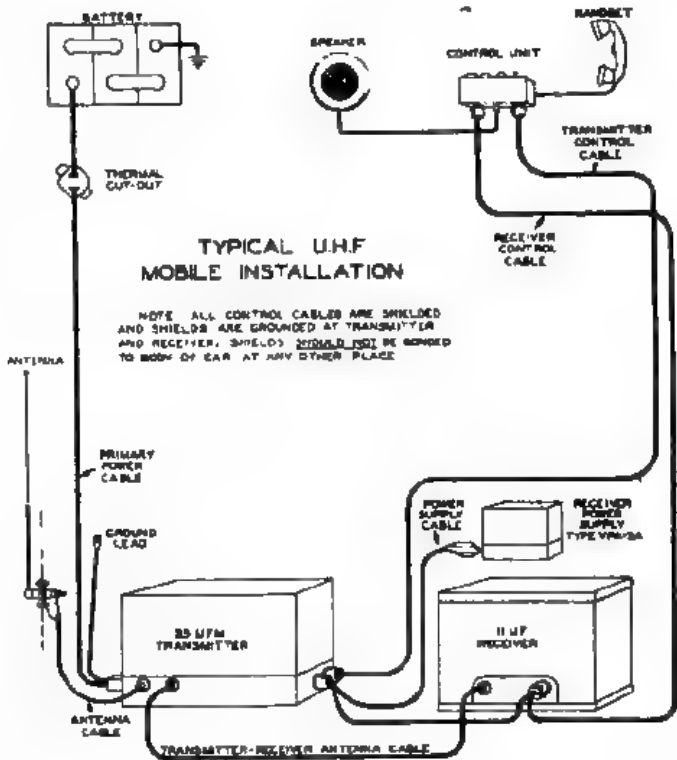
RANGE: (MILES) 250-CW; 100-Voice.

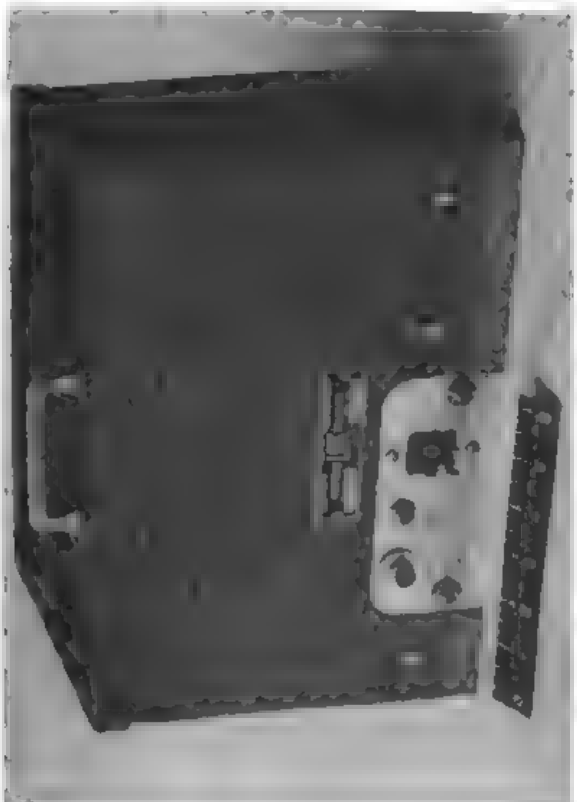
TO COMMUNICATE WITH: SCR-177; SCR-183; SCR-187;
SCR-193; SCR-197; SCR-209; SCR-237; SCR-238;
SCR-245; SCR-274-W; SCR-283; SCR-284; SCR-285;
SCR-287; SCR-288; SCR-506; SCR-511; SCR-536;
SCR-545; SCR-583.

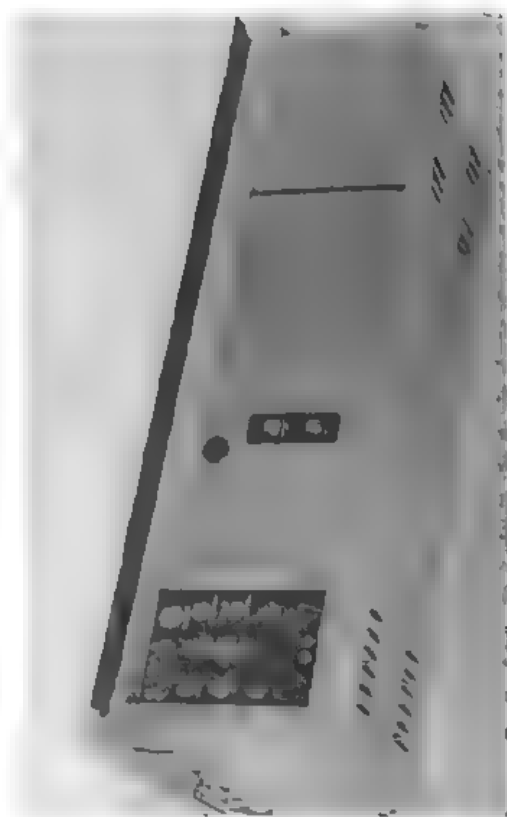
TO REPLACE IN PART: SCR-197

TRANSPORTATION: POWER UNIT PE-95 IN 1 TON TRAILER.
SHELTER HQ-17 WITH COMPONENTS INSTALLED MOUNTS
ON 2 1/2 TON, 6X6 CARGO TRUCK (TRUCK NOT PART OF
SET) (LONG WHEELBASE).

TYPE OF SIGNAL: CW; Voice (AM)

SCR-298	NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	STATUS	STANDARD 21 Nov 43	INSTRUCTIONAL LITERATURE IB - 5700R # 6D 8295
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)		CHANGE IN STATUS	
FREQUENCY RANGE: (MHz) 30 - 40 NUMBER OF CRYSTALS: 1 PRESET FREQUENCIES: 1 (NO SELECTION) ANTENNA: WHIP TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 6 V VEHICULAR BATTERY. SIMILAR SETS: SCR-295 POWER OUTPUT: (Watts) 25 TUBES: (TYPE AND NUMBER) EARLY MODEL USED: 1 EARLY LINK 11-UF Model Receiver - 2 6X8; 1 608B; 2 6AC7/1852; 2 6SJ7; 2 6AB5; 1 6V6; 1 6X6GT. 1 EARLY LINK 25 UFM Model Trans. - 4 7C7; 2 7AB; 1 7C5; 1 8C7. NOTE: INFORMATION AVAILABLE STATES SCR-298 LATE MODEL USED: 1 35UFM (ED 2 ON 3); 1 11UF (ED 3).		USE: USED BY (MP/INF/PERSONNEL). RANGE: (MILES) STATIONARY-10; MOVING-7. TO COMMUNICATE WITH: SCR-608; SCR-609; SCR-610; SCR-628; SCR-808; SCR-828. TO REPLACE IN PART: TRANSPORTATION: VEHICLE TYPE OF SIGNAL: VOICE (FM)		 TYPICAL UHF MOBILE INSTALLATION NOTE: ALL CONTROL CABLES ARE SHIELDED AND SHIELDS ARE GROUND AT TRANSMITTER AND RECEIVER. SHIELDS SHOULD NOT BE BONDED TO BODY OF CAR AT ANY OTHER PLACE. ENGINEER'S DRAWING OF SCR-298 COMPONENTS, SHOWING INTERCONNECTIONS.	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
TRANS. 25-UFM	9"	17"	8 1/4"	29 #	
RECV. 11-UF	9"	13"	7 1/2"	17 1/2#	
POWER UNIT VPA-3A	8 1/2"	4 1/4"	5"	7 1/4#	
COMBINED WEIGHT OF COMPONENTS:					
COMBINED VOLUME					
SHIP TONNAGE					

INSTRUCTIONAL LITERATURE	STATUS:	LIMITED STANDARD 23 APR 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-294																																				
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 20.0 - 27.9 (RECEIVER ONLY) NUMBER OF CRYSTALS: 5 (RECEV.) PRESET FREQUENCIES: 5 ANTENNA: 9' FISHPOLE (AN-142-A) TUNING: (MO OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 OR 24 V CAR BATTERY. SIMILAR SETS: SCR-558 POWER OUTPUT: (WATTS) TUBES: (Type and Number) SCR-294-A uses: 2 12XB 2 6AC7 2 12SJ7 2 12A6 1 12SL7GT 2 12NH		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: AF: IN TANKS AND VEHICLES. RANGE: (MILES) TO COMMUNICATE WITH: SCR-295; SCR-508; SCR-509; SCR-510; SCR-528; TO REPLACE IN PART: SCR-210 TRANSPORTATION: TANKS AND VEHICLES. TYPE OF SIGNAL: FM RECEIVER.																																			
 RADIO SET SCR-294 RADIO RECEIVER SC-499. FRONT VIEW (VEHICULAR FM RECEIVER, REPLACED BY SCR-558)			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)																																					
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO RECV. SC-499</td> <td>1 1/2"</td> <td>1 1/2"</td> <td>3 1/2"</td> <td>5 1/2</td> <td>UNCLASSIFIED</td> </tr> <tr> <td colspan="5">COMBINED WEIGHT OF COMPONENTS:</td> <td>9 1/2</td> </tr> <tr> <td colspan="5">COMBINED VOLUME:</td> <td>0.6 CU. FT.</td> </tr> <tr> <td colspan="5">SHIP TONNAGE:</td> <td></td> </tr> </tbody> </table>					ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO RECV. SC-499	1 1/2"	1 1/2"	3 1/2"	5 1/2	UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS:					9 1/2	COMBINED VOLUME:					0.6 CU. FT.	SHIP TONNAGE:					
			ITEM	DIMENSIONS			WEIGHT		CLASSIFICATION																															
				HEIGHT	WIDTH	DEPTH																																		
			RADIO RECV. SC-499	1 1/2"	1 1/2"	3 1/2"	5 1/2	UNCLASSIFIED																																
COMBINED WEIGHT OF COMPONENTS:					9 1/2																																			
COMBINED VOLUME:					0.6 CU. FT.																																			
SHIP TONNAGE:																																								

SCR-293		NOMENCLATURE DESIGNATION	NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	LIMITED STANDARD 2) App 4)	INSTRUCTIONAL LITERATURE IS - Stock # 608295			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MHz) 20.0 - 27.9 NUMBER OF CRYSTALS: 5 in RECVR. 5 in TRANSM. PRESET FREQUENCIES: 5 ANTENNA: 9' FISHPOLE AN-42-A TYPE TO BE MOUNTED ON TOWER (WITH 2' EXTENDING FOR LOWER FREQ.). TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 on 24 V - VEHICULAR BATTERY. SIMILAR SETS: SCR-508 POWER OUTPUT: (Watts) HIGH POWER-25 WATTS. Low power-1/2 watt TUBES: (Type and Number) SCR-293-A uses: 4 6AO7 1 12X6 5 12A6 1 12H6 7 12SJ7 2 12SA7 1 16Z5 2 12BL7BT			PART B TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: AF: IN TANK UNITS UP TO 800. RANGE: (Miles) 5 MOVING; 7 STATIONARY. TO COMMUNICATE WITH: SCR-293; SCR-294; SCR-508; SCR-509; SCR-510; SCR-528; SCR-558. TO REPLACE IN PART: SCR-193; SCR-245. TRANSPORTATION: Tank TYPE OF SIGNAL: Voice (FM)		CHANGE IN STATUS:	 RADIO RECEIVER AND TRANSMITTER SCR-508 PART OF RADIO SET SCR-293 SHORT NAME, VEHICULAR FM TRANSMITTER AND RECEIVER REPLACED BY SCR-508. USES THROAT MICROPHONE				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)										
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION					
	HEIGHT	WIDTH	DEPTH							
LINK TRANS., RECVR. TYPE, 25 UFX, AND SEPARATE RECVR. TYPE, 11 TR. RADIO RECVR. & TRANS. SC-500 RECVR. SC-193.	12" H x 14" W TO BE PLACED IN LEFT SPONSOR OF LIGHT TANK (2.6 cu. ft.)	30"		115#	UNCLASSIFIED					
COMBINED WEIGHT OF COMPONENTS										
COMBINED VOLUME										
SHIP TONNAGE										

THIS SHEET IS CLASSIFIED: **RESTRICTED**

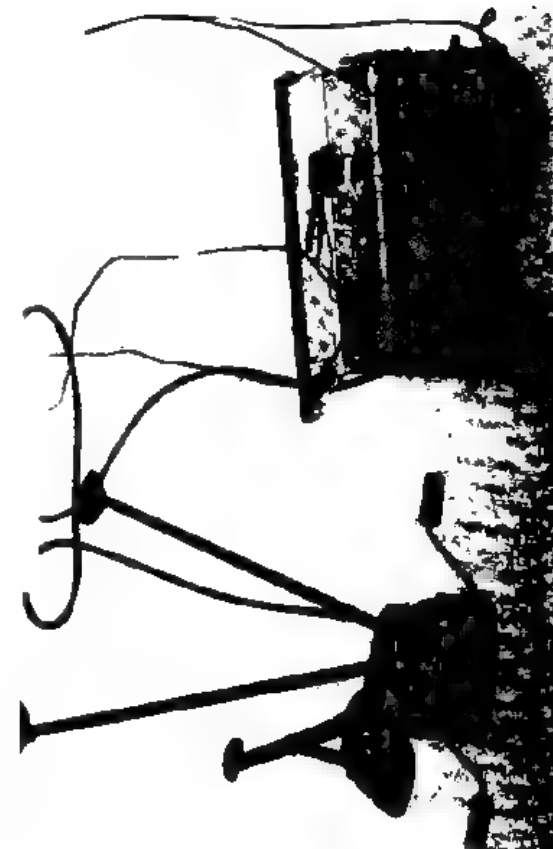
(GROUND SIGNAL EQUIPMENT, RADIO DIRECTION FINDER)

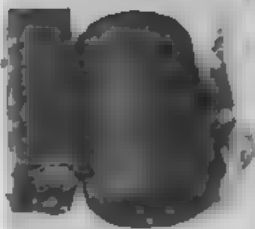
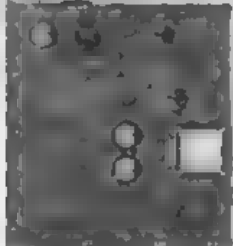
INSTRUCTIONAL LITERATURE	STATUS	STANDARD 30 Nov 48	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION				
	CHANGE IN STATUS			SCR-291				
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)			
			FREQUENCY RANGE: (MHz) 2 - 10 NUMBER OF CRYSTALS: DOES NOT APPLY PRESET FREQUENCIES: DOES NOT APPLY ANTENNA: MODIFIED U ROSSOM TUNING: (MO OR XTAL) DOES NOT APPLY SENSITIVITY: 10 MICROVOLTS/METER FOR 100% SIGNAL/ NOISE RATIO. SELECTIVITY: POWER SOURCE: 110V, AC PORTABLE GENERATOR (KOHLEN 1M-21A) SIMILAR SETS: SCR-502 POWER OUTPUT: (WATTS) DOES NOT APPLY TUBES: (TYPE AND NUMBER) SEE NOTE *		USE: TO DIRECT FLIGHT OF FRIENDLY PLANES AND DETECT DIRECTION OF ENEMY TRANSMITTERS, PARTICULARLY AIRCRAFT. RANGE: LOW TO COMMUNICATE WITH: DOES NOT APPLY. TO REPLACE IN PART: SCR-551 IN PART. TRANSPORTATION: AIR TYPE OF SIGNAL: DOES NOT APPLY.			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)								
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
				HEIGHT	WIDTH	DEPTH		
			1 CHEST CH-161 CONTAINING: 1 BROWN, BC-1167 1 CONTROL PANEL PH-51 1 TELEPHONE PANEL PH-32 1 RADIO FM-61	37"	28"	29"	600#	
			1 CHEST CH-162 CONTAINING: 1 CONSOLE, MC-412 1 BEARING INDICATOR BC-1159	26"	16"	48"	212#	
			3 CRATES CONTAINING: (EACH) 1 SHELTER MC-20 (D/F)	17"	40"	73"	395#	
			1 CRATE CONTAINING: 1 SHELTER MC-19 (POWER UNIT)	14"	49"	65"	368#	
			3 CRATES CONTAINING: (EACH) 7 ANTENNA EQUIPMENT RC-225	21"	22"	112"	390#	
			2 POWER UNITS, KOHLEN 1M-21A (EACH) 1 GASOLINE HEATER, EVANS MV-203000 OTHER ASSOCIATED EQUIPMENT INCLUDING A.F. CABLES, REELS, TEST EQUIPMENT.	55"	15"	37"	497#	
			COMBINED WEIGHT OF COMPONENTS				6900#	
			COMBINED VOLUME OF COMPONENTS				350 cu.ft.	
			SHIP TONNAGE					

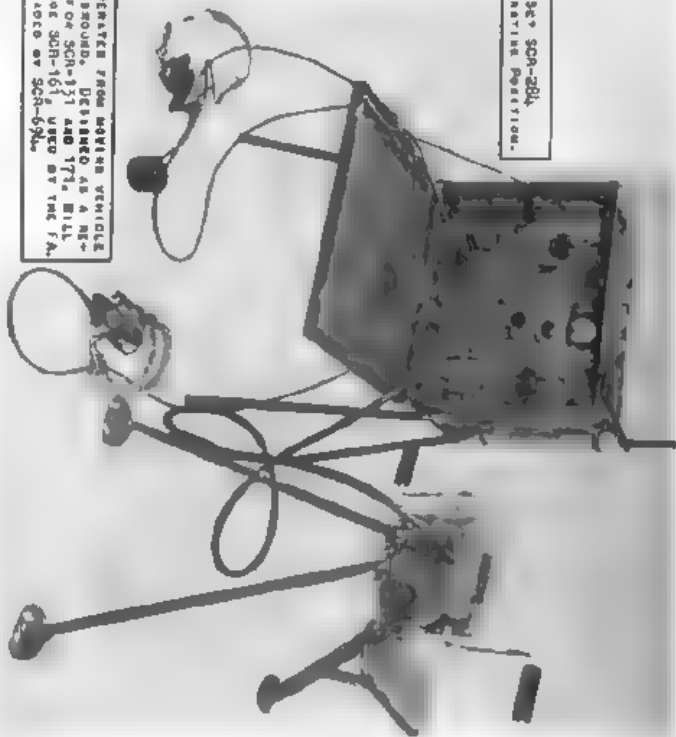
THIS SHEET IS CLASSIFIED: **RESTRICTED**

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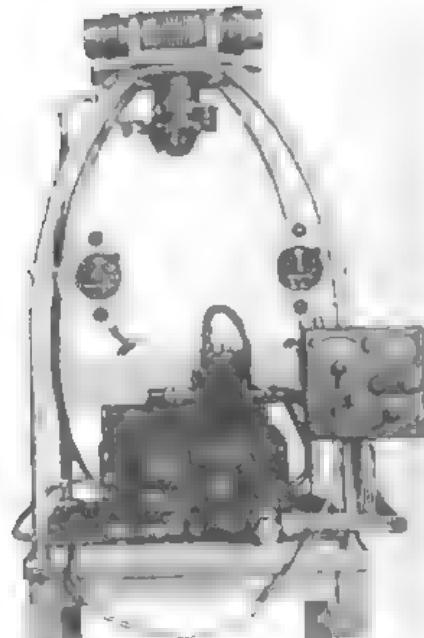
SCR-288		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		INSTRUCTIONAL LITERATURE TM 11-250.			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: TRANS: 3.5 - 6.5 (Mc) RECV: 2.5 - 6.5 (Mc) NUMBER OF CRYSTALS: PRESET FREQUENCIES: ANTENNA: 35' STRAIGHT INSULATED WIRE WITH COUNTERPOISE. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIV TV: POWER SOURCE: TRANS: GENERATOR GN-44. RECV: GENERATOR GN-44 OR DRY BATTERIES. SIMILAR SETS: SCR-284. POWER OUTPUT: (WATTS) 4 75% MODULATION ON VOICE AND CW. TUBES: (TYPE AND NUMBER) SCR-288 USES: 3 VT-107 1 VT-146 1 VT-147 1 VT-148 1 VT-149				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: INF: B, REGT. BN. FA: DIV. ARTY, REGT. BN. SIG CO. CO. RANGE: (MILES) STATIONARY: 30 USING CW; 15 USING VOICE. TO COMMUNICATE WITH: SCR-151; SCR-161; SCR-195; SCR-238; SCR-245. TO REPLACE IN PART: SCR-151; 161; 171. TRANSPORTATION: 2 MAN LOAD. TYPE OF SIGNAL: CW; VOICE.				CHANGE IN STATUS			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)											
ITEM		DIMENSIONS			WEIGHT		CLASSIFICATION				
		HEIGHT	WIDTH	DEPTH							
RADIO TRANS. & RECV: BC-474		18"	9 1/2"	7 1/2"	34#						
COMBINED WEIGHT OF COMPONENTS					34#						
COMBINED VOLUME											
SHIP TONNAGE											

 RADIO SET SCR-288
 Provided for Direction


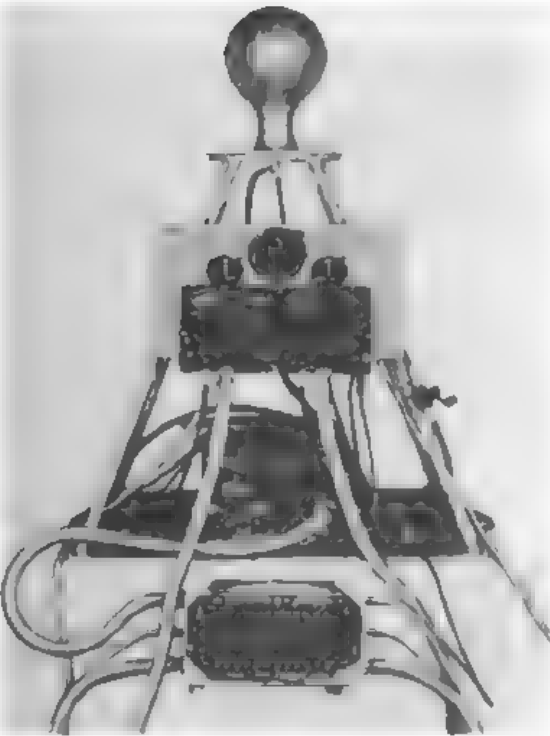
INSTRUCTIONAL LITERATURE 80-348-D - TO 08-10-47 80-375-D - TO 08-10-60	STATUS	SCR-287-A STANDARD 31 Oct 39	NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-287		
 RADIO RECEIVER BC-348-B  DYNAMOTOR UNIT PE-73-B RADIO SET SCR-287-A. PRINCIPAL COMPONENTS (RECEIVER BC-348-B CONTAINS CRYSTAL FILTER.)  RADIO TRANSMITTER BC-375-C  REEL RL-30-B			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: 1.5 - 18 Mcv. Mo. TRANS. - 1.5 - 12.5 Mcv.; 240-250 Mcv.; 650-1500 Mcv. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: TRAILING WIRE ANTENNA. TUNING: (MO ON XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 VOLTS, DC AND PE-73 SIMILAR SETS: SCR-187 EXCEPT 12 V. POWER OUTPUT: (WATTS) 60 @ 12 Mcv/s, 30 @ 7.5 Mcv/s. TUBES: (TYPE AND NUMBER) SCR-287-A USES: TRANS. 1 VT-48 RECVRS. 1 VT-65 1 VT-25 1 VT-70 1 VT-84 1 VT-91 1 VT-93		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: AIRBORNE LIAISON SET. AIR-TO-AIR, AIR-TO-GROUND COMMUNICATION. RANGE: (WIRELESS) 50 TO SEVERAL HUNDRED MILES. TO COMMUNICATE WITH: SCR-188; SCR-193; SCR-197 AND SCR-299. TO REPLACE IN PART: TRANSPORTATION: INSTALLED IN AIRCRAFT. TYPE OF SIGNAL: CW; MCM; VOICE.	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)						
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
RADIO RECEIVER BC-348-B		18	10 1/2	9 1/2	35.2	
RADIO TRANSMITTER BC-375-C		21 21/32	23 1/8	9 5/16	55	
ANTENNA TUNING UNIT BC-306-A		17 3/4	9 1/2	9 1/8	9.75	
DYNAMOTOR UNIT PE-73-B		11	11	7 1/2	39	
TRANSMITTER TUNING UNIT TU-5-A		7 5/8	16 3/4	8 3/4	15	
TRANSMITTER TUNING UNIT TU-6-A		7 5/8	16 3/4	8 3/4	15	
TRANSMITTER TUNING UNIT TU-7-A		7 5/8	16 3/4	8 3/4	15	
TRANSMITTER TUNING UNIT TU-8-A		7 5/8	16 3/4	8 3/4	15	
TRANSMITTER TUNING UNIT TU-9-A		7 5/8	16 3/4	8 3/4	15	
TRANSMITTER TUNING UNIT TU-10-A		7 5/8	16 3/4	8 3/4	15	
TRANSMITTER TUNING UNIT TU-22-A		7 5/8	16 3/4	8 3/4	15	
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.						
COMBINED WEIGHT OF COMPONENTS					250# APPROX.	
COMBINED VOLUME					6 cu. ft. APPROX.	
SHIP TONNAGE						

SCR-284		NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS	LIMITED STANDARD 28 JAN 44	INSTRUCTIONAL LITERATURE TM 11-275-A
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)			CHANGE IN STATUS:	
FREQUENCY RANGE: (MHz) 3.8 TO 5.8 NUMBER OF CRYSTALS: 1 IS CALIBRATOR. PRESET FREQUENCIES: NONE ANTENNA: 15' FIVE SECTION FISHPOLE TYPE FOR TRUNK USE. 25' EIGHT SECTION FISHPOLE WHEN STATIONARY OR FOR FIELD USE. L TYPE USE TUNING: (MD OR XTAL) NO WITH XTAL CALIBRATOR. SENSITIVITY: SELECTIVITY: POWER SOURCE: HAND GENERATOR GN-45-A OR POWER UNIT PE-105 (12 VOLT) RECV. BY DRY BATTERIES OR POWER CONVERTER UNIT PE-104 (6 OR 12 V.) SIMILAR SETS: SCR-288 POWER OUTPUT: (WATTS) HIGH POWER: OM-20; VOICE-5 LOW POWER: OM-8; VOICE-2. TUBES: (TYPE AND NUMBER) 1 6X-650-A TRANS. & RECV.; RECV. & 507GT; 1 1-M 5 GT; 1 1-M 5 GT; 1 1-A 7 GT. TRANS. & 50 5 GT; 2 307-A.			USE: INFANTRY, FIELD ARTILLERY, SIGNAL CORPS. ON BOARD OR IN VEHICLE. FOR COMMAND PURPOSES FROM DIV. HQ. DOWN TO AND INCLUDING BATTALIONS. FOR COMMUNICATIONS WITH TANK DESTROYER UNITS. RANGE: (MILES) OM-30; VOICE-7. TO COMMUNICATE WITH: SCR-131; SCR-161; SCR-185; SCR-274-M; SCR-284; SCR-288; SCR-536. TO REPLACE IN PART: SCR-131; SCR-161; SCR-171; SCR-288. TRANSPORTATION: TWO OR THREE MEN, OR IN VEHICLE. TYPE OF SIGNAL: OM; VOICE.			SCR-284, OPERATOR FROM MOVING VEHICLE OR ON THE GROUND. DESIGNED AS A REPLACEMENT FOR SCR-131 AND 171. WILL ALSO REPLACE SCR-161 WHEN AT THE F.A. TO BE REPLACED BY SCR-536. Radio Set SCR-284 in Operation Position. 	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
RECV. & TRANS. 6X-650	14"	18"	9 3/4"	44#	UNCLASSIFIED		
GENERATOR GN-45	9"	6 1/4"	6 3/4"	22#	UNCLASSIFIED		
POWER UNIT PE-105	12 3/4"	16 1/2"	5 1/2"	53#	UNCLASSIFIED		
REMOTE CONTROL UNIT RM-29	6 1/4"	10 1/8"	8 1/2"	13#	UNCLASSIFIED		
COMBINED WEIGHT OF COMPONENTS				250#			
COMBINED VOLUME							
SHIP TONNAGE							

INSTRUCTIONAL LITERATURE TM 11-200	STATUS:	LIMITED STANDARD 11 Nov 43	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION:																																																																												
	CHANGE IN STATUS:			SCR-283																																																																												
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)																																																																											
			FREQUENCY RANGE: (Kc) RECEIVING- 201-290 Kc, 4150-7700 Kc. TRANSMITTING- 2500-7700 Kc. NUMBER OF CRYSTALS: None PRECISE FREQUENCIES: None ANTENNA: RECVY 5 FT. VERTICAL WAVE. TRANS 9T OR 8T TYPE 16 TO 18 FT. LONG. TUNING: (NO OR XTAL) NO SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 VOLT PLANE BATTERY SIMILAR SETS: SCR-183 EXCEPT 24 V. POWER OUTPUT: (WATTS) VOICE 3.5; ACR 5.2; CW L.O. TUBE: (TYPE AND NUMBER) SCR-AL-205 THREE: 1 TYPE 55 1 TYPE 57 1 TYPE 30 2 TYPE 10 2 TYPE 45 SPL.		USE: COMMAND SET - PLANE-TO-PLANE; PLANE-TO- GROUND COMMUNICATIONS. RANGE: (MILES) 30-45 MILES PLANE-TO-PLANE. 10-20 MILES PLANE-TO-GROUND. TO COMMUNICATE WITH: OTHER EQUIPMENT WITHIN RANGE COVERING SAME FREQUENCIES. TO REPLACE IN PART: TRANSPORTATION: AIRBORNE TYPE OF SIGNAL: TONE, VOICE																																																																											
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																																																																													
RADIO SET SCR-283 SHOWING RADIO OPERATOR'S POSITION CALIBRATING CRYSTAL BC-10 MAY BE USED WITH TRANSMITTER BC-450. Radio SET SCR-283 IS BEING REPLACED BY RADIO SET SCR-274-N AND/OR SCR-152.			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO RECVY. BC-429</td> <td>7 5/8</td> <td>8 1/4</td> <td>15 11/16</td> <td>12</td> <td rowspan="5"></td> </tr> <tr> <td>RADIO TRANS. BC-430</td> <td>7 5/8</td> <td>6 5/8</td> <td>13 1/8</td> <td>10.2</td> </tr> <tr> <td>DYNAMOTOR BC-93</td> <td></td> <td></td> <td></td> <td>9.9</td> </tr> <tr> <td>RADIO CONTROL BOX BC-231</td> <td>4 5/8</td> <td>4</td> <td>2 7/16</td> <td>.9</td> </tr> <tr> <td>RADIO CONTROL BOX BC-232</td> <td>2 7/16</td> <td>4</td> <td>4 5/8</td> <td>.9</td> </tr> <tr> <td>ANTENNA SE. RELAY BC-408</td> <td>4 9/16</td> <td>4 5/8</td> <td>2 3/4</td> <td>1.1</td> <td></td> </tr> <tr> <td colspan="5">2 RECVY COIL SETS (ONE IS A DUAL COIL)</td> <td></td> <td></td> </tr> <tr> <td colspan="5">6 TRANS COIL SETS.</td> <td></td> <td></td> </tr> <tr> <td colspan="5">COMBINED WEIGHT OF COMPONENTS:</td> <td>53.30 (including antenna and</td> <td></td> </tr> <tr> <td colspan="5">COMBINED VOLUME:</td> <td>1.5 Cu.ft.</td> <td></td> </tr> <tr> <td colspan="5">SNF TONNAGE:</td> <td></td> <td></td> </tr> </tbody> </table>		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO RECVY. BC-429	7 5/8	8 1/4	15 11/16	12		RADIO TRANS. BC-430	7 5/8	6 5/8	13 1/8	10.2	DYNAMOTOR BC-93				9.9	RADIO CONTROL BOX BC-231	4 5/8	4	2 7/16	.9	RADIO CONTROL BOX BC-232	2 7/16	4	4 5/8	.9	ANTENNA SE. RELAY BC-408	4 9/16	4 5/8	2 3/4	1.1		2 RECVY COIL SETS (ONE IS A DUAL COIL)							6 TRANS COIL SETS.							COMBINED WEIGHT OF COMPONENTS:					53.30 (including antenna and		COMBINED VOLUME:					1.5 Cu.ft.		SNF TONNAGE:						
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																																																								
				HEIGHT	WIDTH	DEPTH																																																																										
			RADIO RECVY. BC-429	7 5/8	8 1/4	15 11/16	12																																																																									
			RADIO TRANS. BC-430	7 5/8	6 5/8	13 1/8	10.2																																																																									
DYNAMOTOR BC-93				9.9																																																																												
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COMBINED VOLUME:					1.5 Cu.ft.																																																																											
SNF TONNAGE:																																																																																

SCR-282		NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	LIMITED STANDARD 10 NOV 42	INSTRUCTIONAL LITERATURE TG 08-10-27			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)		CHANGE IN STATUS					
FREQUENCY RANGE: (Kc) 150 - 1,500 Kc. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: LOOP AND FARED VERTICAL ANTENNA. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 - 28 VOLTS DC, AIRCRAFT BATTERY. SIMILAR SETS: SCR-242 WHICH USES 12 VOLT POWER SOURCE. POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 VT-66 6 VT-66 1 VT-87 1 VT-95 1 VT-96 2 VT-96			USE: TO PROVIDE AURAL RECEPTION OF MODULATED RADIO FREQUENCY ENERGY OR VISUAL, UNI-DIRECTIONAL, RIGHT-LEFT INDICATION OF THE DIRECTION OF ARRIVAL OF RADIO FREQUENCY ENERGY WITH RESPECT TO THE PLANE OF THE LOOP AND SIMULTANEOUS "ON COURSE", AURAL RECEPTION OF MODULATED RADIO FREQUENCY. RANGE: (MILES) TO COMMUNICATE WITH: TO REPLACE IN PART: SCR-186 TRANSPORTATION: AIRCRAFT INSTALLATION TYPE OF SIGNAL: CW & MCW							
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION RESTRICTED)										
ITEM	DIMENSIONS			WEIGHT				CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH							
RADIO COMPASS UNIT SC-310	7	12	20 1/2	45.3						
RADIO CONTROL BOX SC-319	7 1/2	7 1/2	3 15/16	4.3						
Loop LP-18-C				7.1						
INDICATOR I-75-A										
NOTES: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.										
COMBINED WEIGHT OF COMPONENTS				65# APPROX.						
COMBINED VOLUME										
SHIP TONNAGE										

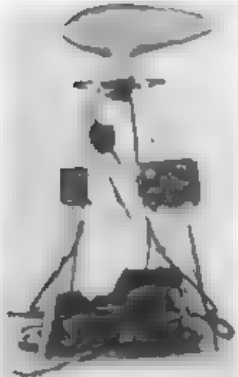
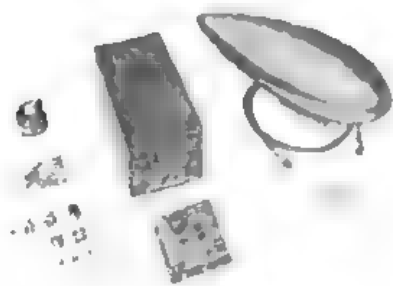
RADIO COMPASS SCR-282 IN OPERATING POSITION - SHOWING COMPONENTS

INSTRUCTIONAL LITERATURE TO DB-10-93	STATUS: CHANGE IN STATUS:	LIMITED STANDARD 10 Nov 42	NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-280																																																													
 RADIO COMPASS SCR - 280 PRINCIPAL COMPONENTS			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Kc) 200 to 1,750 COVERED IN 3 BANDS. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: ANTENNA: 8" LOOP AND FIXED NONDIRECTIONAL (MANUALLY OPERATED) TUNING: (MD OR XTAL) MD SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 VOLTS DC SIMILAR SETS: SCR-265 WHICH OPERATES FROM 24 - 28 VOLT POWER SOURCE SCR-273-A EXCEPT FREQUENCY. POWER OUTPUT: (Watts) RECEPTION ONLY. TUBES: (TYPE AND NUMBER) SCR-280-A USES: 1 - 6F6 1 - 6X5 1 - 6K7 1 - 6N7 1 - 6L7 1 - 6AC7 1 - 6BD	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: PROVIDES VISUAL, UNIDIRECTIONAL, RIGHT-LEFT INDICATION, AURAL RECEPTION OF MODULATED RADIO FREQUENCY ENERGY USING LOOP ANTENNA, AURAL RECEPTION OF MODULATED R.F. USING NONDIRECTIONAL ANTENNA, AURAL BELL DIRECTIONAL INDICATIONS OF THE ARRIVAL OF MODULATED RADIO FREQUENCY ENERGY WITH REFERENCE TO THE PLANE OF THE LOOP USING A LOOP ANTENNA. RANGE: (Miles) TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: AIRCRAFT INSTALLATION. TYPE OF SIGNAL: CW; BCW.																																																													
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																														
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO COMPASS UNIT SC-431-A</td> <td>7 7/8</td> <td>12</td> <td>19 13/16</td> <td>42.0</td> <td></td> </tr> <tr> <td>2-RADIO CONTROL BOX SC-432-B</td> <td>7 1/2</td> <td>7 1/2</td> <td>3 15/16</td> <td>8.0 (100 EA.)</td> <td></td> </tr> <tr> <td>LOOP LP-19-A</td> <td>25 3/8</td> <td>15 1/2</td> <td>9</td> <td>7.06</td> <td></td> </tr> <tr> <td>2-COMPASS INDICATOR I-65-D</td> <td>3 1/4</td> <td>3 1/4</td> <td>4 9/32</td> <td>3.23 (1.60 EA.)</td> <td></td> </tr> <tr> <td>INDICATOR I-75</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5"> NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND FIGURES SHOWN ARE THEREFORE APPROXIMATE. </td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>71.834</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME</td> <td>582.0 Cu. In. APPROX.</td> <td></td> </tr> <tr> <td colspan="4">SHIP TONNAGE:</td> <td>0.0336 T</td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO COMPASS UNIT SC-431-A	7 7/8	12	19 13/16	42.0		2-RADIO CONTROL BOX SC-432-B	7 1/2	7 1/2	3 15/16	8.0 (100 EA.)		LOOP LP-19-A	25 3/8	15 1/2	9	7.06		2-COMPASS INDICATOR I-65-D	3 1/4	3 1/4	4 9/32	3.23 (1.60 EA.)		INDICATOR I-75						NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND FIGURES SHOWN ARE THEREFORE APPROXIMATE.						COMBINED WEIGHT OF COMPONENTS:				71.834		COMBINED VOLUME				582.0 Cu. In. APPROX.		SHIP TONNAGE:		
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SHIP TONNAGE:				0.0336 T																																																													

THIS SHEET IS CLASSIFIED **RESTRICTED**

SCR-277		NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	STANDARD 7 JUN 41	INSTRUCTIONAL LITERATURE (HM) 08-10-10 (on SCR-277-A, B, C)
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MC) 0.2 - 0.4 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: CROSSED LOOPS 70 FEET HIGH TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PE-90 OR 110V 50 - 60 CYCLES. 8 MILAR SETS: NONE POWER OUTPUT: (WATTS) 800 TUBES: (Type and Number) 2 VT-100 (807) 1 VT-15L (814) 1 F-12B-A 1 VT-145 (525) 2 VT-46-A 866/866-A 2 VT-42-A F-872-A			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: HIGH POWER MOBILE RADIO RANGE STATION FOR RADIO GUIDANCE OF AIRCRAFT. USER A-N KEYING. RANGE: AT LEAST 300 MILES. TO COMMUNICATE WITH: ANY 0.2 - 0.4 MC. RECEIVER. TO REPLACE IN PART: NONE TRANSPORTATION: MOBILE IN K-29 TRAILER. TYPE OF SIGNAL: CW, MORSE, VOICE		CHANGE IN STATUS	 PORTABLE RADIO RANGE, RADIO SET SCR-277 WITH ANTENNA SYSTEM ERECTED	
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					 RADIO SET SCR-277, INSTALLED IN TRAILER K-29		
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
ANTENNA TUNING UNIT BC-469	33"	24"	16"	14 1/2#	RESTRICTED		
OMNIMETER UNIT BC-468	44"	22"	29"	23 1/2#	RESTRICTED		
MAST MA-4-A	76'	7" DIA.		250#	RESTRICTED		
POWER UNIT PE-90	51"	36"	55"	1075#	RESTRICTED		
RADIO TRANSMITTER BC-467	49"	54"	22"	953#			
TRAILER K-29	200"	76"	106"	3359#			
RADIO RECEIVER BC-342	18"	9"	30"	61#			
COMBINED WEIGHT OF COMPONENTS				7000#			
COMBINED VOLUME OF COMPONENTS				875 cu ft			
SHIP TONNAGE				5.5			

THIS SHEET IS CLASSIFIED: **RESTRICTED**

INSTRUCTIONAL LITERATURE: TO OB-10-45	STATUS:	LIMITED STANDARD 10 Nov 42	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-276																																																													
	CHANGE IN STATUS:																																																																
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)																																																												
			FREQUENCY RANGE: (Kc) 195 to 420 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 8" LOOP AND NONDIRECTIONAL FIXED ANTENNA TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 TO 28 VOLTS DC AND OM-59-A. SIMILAR SETS: SCR-276-A EXCEPT SCR-276 24 - 28 VOLT SUPPLY. POWER OUTPUT: (Watts) TUBES: (TYPE AND NUMBER) SCR-276-A USES 1 60-383-A: 2 - 6C5 1 - 6K7 1 - 6L7 2 - 6J7 2 - 6DB 2 - 6V6		USE: NAVIGATIONAL INSTRUMENT. PROVIDES VISUAL, UNIDIRECTIONAL RIGHT-LEFT INDICATION SHOWING THE DIRECTION OF THE RADIO SIGNAL SOURCE WITH RESPECT TO THE AIRCRAFT HEADING. MAY ALSO BE USED AS A RADIO RANGE OR BEATHER ONBOARD SET PROVIDING AURAL RECEPTION OF MODULATED RADIO SIGNALS. ALSO SUPPLIES VOLTAGE TO RANGE BEACON RECEIVER. RANGE: (Miles) TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: AIRCRAFT INSTALLATION. TYPE OF SIGNAL: OB, MOB																																																												
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			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>COMPASS INDICATOR 1-73-A</td> <td>3 1/4</td> <td>3 1/4</td> <td>3 17/32</td> <td>1.90</td> <td></td> </tr> <tr> <td>FLEXIBLE CONDUIT ASSEMBLY & JUNCTION BOX</td> <td></td> <td></td> <td></td> <td>9.62</td> <td></td> </tr> <tr> <td>LOOP LP-17-A</td> <td>25 9/16</td> <td>11 3/32</td> <td>9</td> <td>6.22</td> <td></td> </tr> <tr> <td>RADIO COMPASS UNIT 60-383-A</td> <td>8</td> <td>8</td> <td>15 5/8</td> <td>26.1</td> <td></td> </tr> <tr> <td>RADIO CONTROL BOX 60-440-A</td> <td>5 3/4</td> <td>5 1/8</td> <td>3 23/32</td> <td>2.78</td> <td></td> </tr> <tr> <td colspan="5"> NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE. </td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS:</td> <td>46.22</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME</td> <td>8"</td> <td>8"</td> </tr> <tr> <td colspan="4">SHIP TONNAGE</td> <td></td> <td>.0212 T</td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	COMPASS INDICATOR 1-73-A	3 1/4	3 1/4	3 17/32	1.90		FLEXIBLE CONDUIT ASSEMBLY & JUNCTION BOX				9.62		LOOP LP-17-A	25 9/16	11 3/32	9	6.22		RADIO COMPASS UNIT 60-383-A	8	8	15 5/8	26.1		RADIO CONTROL BOX 60-440-A	5 3/4	5 1/8	3 23/32	2.78		NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.						COMBINED WEIGHT OF COMPONENTS:				46.22		COMBINED VOLUME				8"	8"	SHIP TONNAGE		
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RADIO COMPASS SCR-276 SHOWING MAJOR COMPONENTS REMOTE STARTING AND STOPPING CONTROL																																																																	

THIS SHEET IS CLASSIFIED RESTRICTED

SCR-274-N	NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	STATUS:	STANDARD 20 Sep 40	INSTRUCTIONAL LITERATURE (HMI) TO DB-10-50
			CHANGE IN STATUS:		

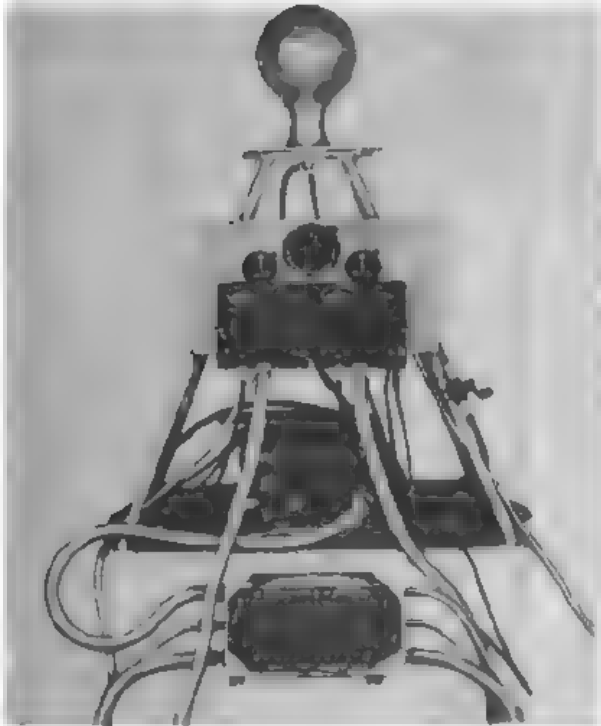
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MHz) Trans: 4.0-5.3; 5.3-7.0; 7.0-9.1. Recvrs: .19-.55; 3.0-6.0; 6.0-9.1. NUMBER OF CRYSTALS: 1 CALIBRATING CRYSTAL PER TRANS. FOR 3.0-9.1 MC. PRESET FREQUENCIES: 1 ON EACH TRANS. ANTENNA: LONG WIRE & APT "INVERTED L" OR "T" TUNING: (MC OR XTAL) MC OR H.F. SENSITIVITY: SELECTIVITY: POWER SOURCE: 22 TO 50 V. POWER SOURCE -DC POWER FROM AIRPLANE. SIMILAR SETS: SUPERSEDED SCR-261, 283, 183. POWER OUTPUT: (WATTS) 40 CW; 20 VOICE; TUBES: (TYPE AND NUMBER) 1 BC-455-A MODULATOR UNIT; 1 VT-135; 1 VT-136; 1 VT-139. 3 SETS FOR ROTR; 3 VT-131; 1 VT-132; 1 VT-133; 1 VT-134. 2 SETS FOR TRANS; 2 VT-136; 1 VT-137; 1 VT-138.	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: FOR INTERCOMMUNICATION AS A COMMAND SET. PLANE-TO PLANE, PLANE-TO-CONTROL TOWER. RANGE: (MILES) 150 CW; 75 VOICE (APPROX.) TO COMMUNICATE WITH PLANE & CONTROL TOWER. TO REPLACE IN PART: SCR-183, 283. TRANSPORTATION: AIRBORNE INSTALLATION. TYPE OF SIGNAL: VOICE, CW, MCW AMPLITUDE MODULATED.
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PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
RECVR. BC-453-A; BC-454-A; BC-455-A; BC-456-A EA- (3 RECVR) CONTROL BOX BC-450-A (1 RECVR) CONTROL BOX BC-473-A (2 RECVR) CONTROL BOX BC-496-A TRANS. BC-457-A; BC-458-A; BC-459-A; BC-696-A. EA. CONTROL BOX BC-451-A MODULATOR UNIT BC-456-A ANTENNA RELAY UN 1 BC-442-A	7 11/32" 4 1/8" 4 1/8" 4 1/8" 8 13/16" 3 7/32" 4 11/16" 6 9/16"	4 27/32" 9 1/8" 3 1/4" 4 3/8" 5 1/2" 4 1/8" 8 5/8" 5 5/8"	10 23/32" 5 15/32" 5 11/32" 5 11/32" 11 13/16" 4 3/8" 10 1/8" 5	9.0# 2.7# 1.0# 1.7# 8.8# 1.0# 9.0# 2.0#	RESTRICTED RESTRICTED RESTRICTED RESTRICTED RESTRICTED RESTRICTED RESTRICTED RESTRICTED
WEIGHT FOR INSTALLATION OF 3 RECVRS. AND 2 TRANS.	COMPLETE.				
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, SETS VARY CONSIDERABLY AND THE FIGURES SHOWN	BOTH WEIGHTS AND VOLUMES OF ARE THEREFORE APPROXIMATE.			COMPLETE	
COMBINED WEIGHT OF COMPONENTS					
COMBINED VOLUME OF COMPONENTS				4 1/3	CUB. FT. APPROX.
SHIP TONNAGE					AVERAGE INSTALLATION

VARIOUS NOMINATIONS OF INSTALLATIONS OF RADIO SET SCR-274-N ARE POSSIBLE WITH
 CONSIDERABLE VARIATION IN WEIGHT AND VOLUME, SUCH AS: 1 ECU TRANSMITTER AND RE-
 CEIVER OR AS THE AIRCRAFT INSTALLATION, 3 RECEIVERS AND 2 TRANSMITTERS. RADIO
 SET SCR-274-N IS BEING REPLACED IN FURTHER AIRCRAFT BY VHF COMMAND SET, SCR-522

RADIO SET SCR-274-N SHOWING INSTALLATION
 IN AIRPLANE FORWARD OF REAR GUNNER'S POSITION.

THIS SHEET IS CLASSIFIED RESTRICTED

INSTRUCTIONAL LITERATURE: TO CR-10-63.	STATUS:	LIMITED STANDARD 10 NOV 42	NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-273				
CHANGE IN STATUS:			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)				
			FREQUENCY RANGE: (KC) 150 TO 3,500 COVERED IN 5 BANDS. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 8" LOOP AND FIXED NONDIRECTIONAL MAST. ROTATABLE LOOP WITH TWO REMOTE CONTROL POSITIONS. TUNING: (MO OR XTAL) NO SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 TO 1 1/2 VOLTS DC SIMILAR SETS: SCR-265 EXCEPT SCR-273 USED 12 - 1 1/2 VOLT SUPPLY. POWER OUTPUT: (WATTS) RECEIVES ONLY. TUBES: (TYPE AND NUMBER) SCR-273-A USES 1 BC-413-A; 1 - 6F6 1 - 6Y5 6 - 6KT 1 - 6KT 1 - 6L7 1 - 6BD7 1 - 6BD	USE: PROVIDES: VISUAL, UNIDIRECTIONAL, RIGHT-LEFT INDICATION OF THE ARRIVAL OF RADIO FREQUENCY ENERGY WITH RESPECT TO THE LOOP AND SIMULTANEOUS "ON COURSE" AURAL RECEPTION OF MODULATED RADIO FREQUENCY ENERGY, AURAL RECEPTION OF MOD. R.F. USING A NON-DIRECTIONAL ANTENNA, AURAL RECEPTION OF MODULATED R.F. USING LOOP ANTENNA, AURAL-SOUND DIRECTIONAL INDICATIONS OF THE ARRIVAL OF MODULATED R.F. WITH RESPECT TO THE PLANE OF THE LOOP ANTENNA. RANGE: (MILES) TO COMMUNICATE WITH: TO REPLACE IN PARTS: TRANSPORTATION: AIRCRAFT INSTALLATION. TYPE OF SIGNAL: CW, MOR, VOICE.				
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)					
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
				HEIGHT	WIDTH	DEPTH		
			RADIO COMPASS UNIT BC-413-A	7 7/8	12	19 13/16	42.00	
			2 RADIO CONTROL BOX BC-414-A	7 1/2	7 1/2	3 15/16	4 EA.	
			LOOP LA-19-A	25 3/8	13 1/2	9	7.06	
			2 COMPASS INDICATOR I-65-C	3 1/4	3 1/4	3 29/32	1.75	
			INDICATOR I-75A	3 1/8	3 1/8	2 11/16	1.85	
			RELAY RC-28-A	11	7	3	9.96	
			NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.					
			COMBINED WEIGHT OF COMPONENTS:					
			72.124					
			COMBINED VOLUME					
			12" 7 7/8" 19 13/16" 5740.25 CU. IN.					
			SHIP TONNAGE:					
			0.003 T					

RADIO COMPASS SCR - 273
PRINCIPAL COMPONENTS

SCR-269		NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	STANDARD 25 JAN 40	INSTRUCTIONAL LITERATURE TO 08-10-110, 175
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) 1 FREQUENCY RANGE: (Kc) 200 to 1,750 Kc. COVERED IN 3 BANDS: 200 - 410; 410 - 850; 850 - 1,750. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 8" LOOP & FIXED VERTICAL MAST WITH ONE ON TWO REMOTE CONTROL POSITIONS AND AUTOMATIC ROTATION. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY POWER SOURCE: 24 VOLT BATTERY, 12 VOLT BATTERY. SIMILAR SETS: SCR-265 EXCEPT AUTOMATIC FEATURES. POWER OUTPUT: (Watts) RECEIVER ONLY. TUBES: (Type and Number) SCR-269-A uses: 2 VT-66 1 VT-94 1 VT-75 1 VT-96 1 VT-86 1 VT-105 1 VT-87 2 VT-105 2 VT-93			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) 1 USE: NAVIGATIONAL INSTRUMENT. PROVIDES AUTOMATIC BEARING INDICATION OF THE DIRECTION OF ARRIVAL OF RADIO FREQUENCY ENERGY AND SIMULTANEOUS AURAL RECEPTION OF MODULATED RADIO FREQUENCY, DIRECTIONAL ANTENNA, AURAL RECEPTION OF MODULATED RADIO FREQUENCY USING LOOP ANTENNA. SCR-269-C HAS PROVISION FOR RECEPTION OF UNMODULATED R.F. IN ALL THE ABOVE BANDS. RANGE: (Miles) TO COMMUNICATE WITH: TO REPLACE IN PART: SCR-242, 263, 280 TRANSPORTATION: AIRCRAFT INSTALLATION TYPE OF SIGNAL: CW, MOR, VOICE.		CHANGE IN STATUS		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED) 1							
ITEM	HEIGHT	WIDTH	DEPTH	WEIGHT	CLASSIFICATION		
RADIO COMPASS UNIT SC-433-A	7 7/8	12	19 13/16	46.87 LBS.			
2 RADIO CONTROL BOX SC-434-A	7 1/2	7 1/2	3 15/16	3.76			
LOOP LP-21-A	25 3/8	14 31/32	8	10.37			
INDICATOR I-81-A	3 1/4	3 1/4	3 11/16	.75			
INDICATOR I-82-A	5 1/8	5 1/8	4 3/32	1.19			
RELAY RK-22-A ON E	11 3/4	7	3	6.40			
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH HEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.							
COMBINED WEIGHT OF COMPONENTS:				73.10 LBS.			
COMBINED VOLUME				5121 CU. IN.			
SHIP TONNAGE				0.02967			



RADIO COMPASS SCR-269

SCR-263

INSTRUCTIONAL LITERATURE:
TO GS-10-64

STATUS:

LIMITED STANDARD
10 NOV 42NOTE SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION.NOMENCLATURE
DESIGNATIONCHANGE IN
STATUS:PART A - TECHNICAL CHARACTERISTICS
(CLASSIFICATION)

FREQUENCY RANGE: (Kc) 200 to 1,750 (in 3 bands)

NUMBER OF CRYSTALS: NONE

PRESET FREQUENCIES:

ANTENNA: 8" LOOP & NONDIRECTIONAL ANTENNA WITH
ONE OR TWO REMOTE CONTROL POSITIONS.

TUNING: (MO OR XTAL) MO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 24 TO 26 VOLTS DC (2.65 TO 3
AMPERES) STORAGE BATTERY IN AIRCRAFT.

SIMILAR SETS: SCR-262-B, SCR-280, SCR-279

POWER OUTPUT: (WATTS) RECEIVED ONLY.

TUBES: (TYPE AND NUMBER) SCR-263-A uses 1-60-443-A
1 - 6F6 1 - 6X7
1 - 6L7
1 - 6BD
1 - 6V6
1 - 6X7PART B - TACTICAL CHARACTERISTICS
(CLASSIFICATION)USE: PROVIDES VISUAL, UNIDIRECTIONAL, RIGHT-
LEFT INDICATION OF THE DIRECTION OF ARRIVAL
OF RADIO FREQUENCY ENERGY WITH RESPECT TO
THE PLANE OF THE LOOP AND SIMULTANEOUS
"ON COURSE" AURAL RECEPTION OF MODULATED
RADIO FREQUENCY ENERGY. AURAL RECEPTION
OF MODULATED RADIO FREQUENCY USING A NON-
DIRECTIONAL ANTENNA, AURAL RECEPTION OF
MODULATED RADIO FREQUENCY USING LOOP ANTENNA,
AURAL NULL INDICATIONS OF DIRECTION OF
ARRIVAL OF MODULATED RADIO FREQUENCY USING
LOOP ANTENNA.

RANGE: (MILES)

TO COMMUNICATE WITH:

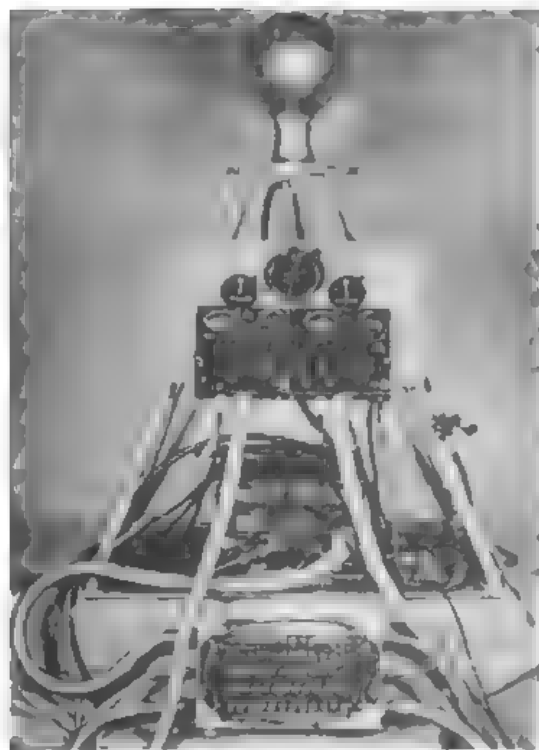
TO REPLACE IN PART:

TRANSPORTATION: AIRCRAFT INSTALLATION.

TYPE OF SIGNAL: CW & MCW.

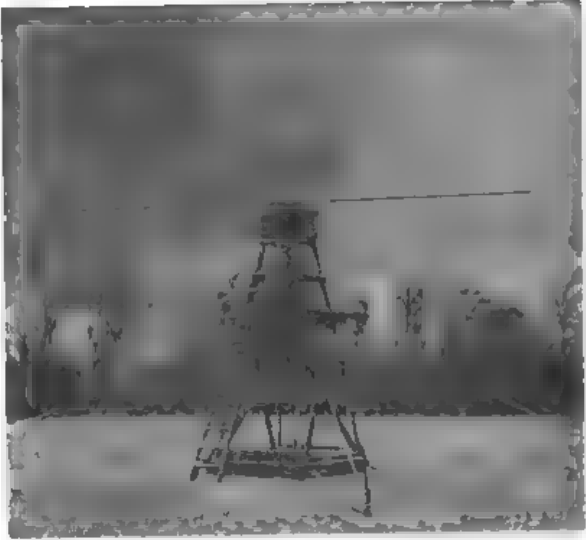
PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION RESTRICTED)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
80-443-A RADIO COMPASS UNIT	7 1/8	12	19 13/16	4.0	
2 80-444-A RADIO CONTROL BOX	7 1/2	7 1/2	3 15/16	4.0 ea.	
LP-19-A LOOP	25 5/8	13 1/2	9	7.06	
1-65-D COMPASS INDICATOR	3 1/4	3 1/4	4 9/32	1.6	
1-75 INDICATOR	5 1/8	5 1/8	2 11/16	1.37	
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.					
COMBINED WEIGHT OF COMPONENTS:				56.59	
COMBINED VOLUME				5327 cu in.	
SHIP TONNAGE				0.0443 T	



RADIO COMPASS SCR-263-A. GENERAL VIEW OF SET

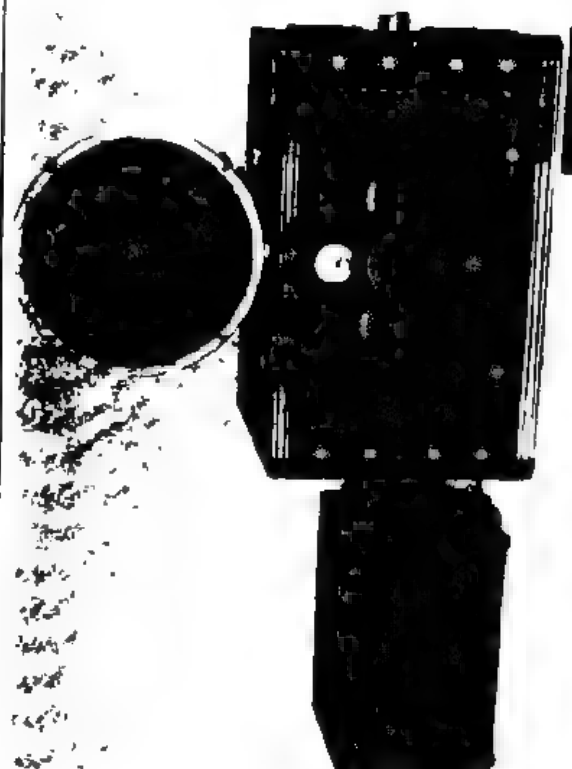
THIS SHEET IS CLASSIFIED: RESTRICTED

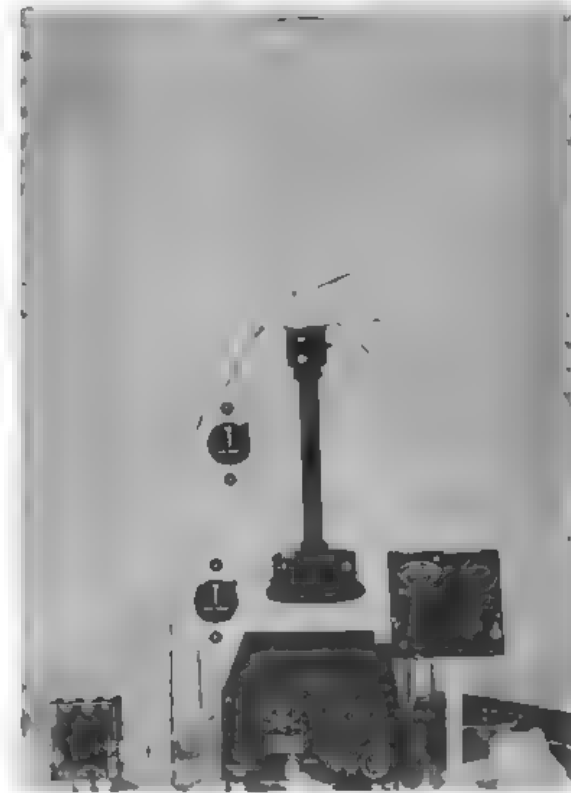
SCR-255		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS		LIMITED STANDARD 11 JUN 62		INSTRUCTIONAL LITERATURE TM 11-561													
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)				CHANGE IN STATUS:															
FREQUENCY RANGE: (MHz) $0.54 - 30$ NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: ADOOB TIMING: (MO OR XTAL) SENSITIVITY: 20 - 100 MICROWOLTS/MEYER SELECTIVITY: POWER SOURCE: 6V STORAGE BATTERY. SIMILAR SETS: None POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) <table border="0"> <tr> <td>1</td><td>YT-66</td> <td>3</td><td>YT-86</td> </tr> <tr> <td>2</td><td>YT-91</td> <td>1</td><td>YT-99</td> </tr> <tr> <td>1</td><td>YT-126</td> <td>1</td><td>YT-163</td> </tr> </table>				1	YT-66	3	YT-86	2	YT-91	1	YT-99	1	YT-126	1	YT-163	USE: FOR USE IN THE FIELD TO LOCATE ENEMY TRANSMITTERS. RANGE: MEDIUM TO COMMUNICATE WITH: TO REPLACE IN PART: None TRANSPORTATION: Cargo Truck TYPE OF SIGNAL:							
1	YT-66	3	YT-86																				
2	YT-91	1	YT-99																				
1	YT-126	1	YT-163																				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																							
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION																	
		HEIGHT	WIDTH	DEPTH																			
REMOTE CONTROL UNIT		95"	23"	20"	50#																		
ADDOBE ANTENNA			24"		172#																		
RADIO RECVR. 80-903					51#																		
TOWER TR-19					21 1/2#																		
TOWER TR-19		8 1/4"	6"	6"	705#																		
INCLUDING SERIES OF CHESTS, BATTERIES, VIBRATOR ETC.					2974#																		
COMBINED WEIGHT OF COMPONENTS.																							
COMBINED VOLUME OF COMPONENTS																							
SHIP TONNAGE																							

RADIO SET SCR-255
 BEAM MOUNTED FOR OPERATION
 RECEIVER AND ANTENNA AT TOP OF 18-FOOT TOWER AND IS OPERATED BY
 REMOTE CONTROL UNIT AT GROUND LEVEL.

THIS SHEET IS CLASSIFIED: RESTRICTED

INSTRUCTIONAL LITERATURE: TO CR-10-39	STATUS:	LIMITED STANDARD 10 Nov 42	NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NUMERICAL DESIGNATION SCR-246																																	
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:)																																
RADIO COMPASS SCR-246 - PRINCIPAL COMPONENTS NORMALLY CONSUMES 70 WATTS AND SUPPLIES VOLTAGE TO MARKER BEACON RECEIVER.			FREQUENCY RANGE: (MC) 195 - 420 KC. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: 8" LOOP & NONDIRECTIONAL (USUALLY VERTICAL) NO LOCAL, ONE REMOTE CONTROL POSITION. TUNING: (MC OR KTC) NO SENSITIVITY: SELECTIVITY: POWER SOURCE: 12 VOLT STORAGE BATTERY AND DM-29. SIMILAR SETS: SCR-276 EXCEPT FOR INPUT VOLTAGE. POWER INPUT: (WATTS) 70 WATTS CONSUMPTION. TUBES: (TYPE AND NUMBER) SCR-246-A USES 1-6C-373A TUBES: 6C5 6K7 6L7 6J7 6BB 6V6		USE: NAVIGATIONAL INSTRUMENT. RADIO COMPASS HOMING BEACON. PROVIDES VISUAL, UNIDIRECTIONAL, RIGHT-LEFT INDICATION SHOWING DIRECTION OF THE RADIO SIGNAL SOURCE WITH RESPECT TO THE AIRCRAFT HEADED. MAY ALSO BE USED AS A RADIO HANGER OR RADIO BROADCAST RECEIVER PROVIDING AURAL RECEPTION OF MODULATED SIGNALS. RANGE: (MILES) TO COMMUNICATE WITH: RECEIVES ONLY RADIO BEACON TRANSMISSION. TO REPLACE IN PART: TRANSPORTATION: AIRCRAFT INSTALLATION. TYPE OF SIGNAL: MCN																																
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																		
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO COMPASS UNIT RC-373</td> <td></td> <td></td> <td></td> <td></td> <td>RESTRICTED</td> </tr> <tr> <td>RADIO CONTROL BOX RC-374</td> <td></td> <td></td> <td></td> <td></td> <td>RESTRICTED</td> </tr> <tr> <td>LOOP LP-17</td> <td></td> <td></td> <td></td> <td></td> <td>RESTRICTED</td> </tr> <tr> <td>INDICATOR</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATIONS.		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO COMPASS UNIT RC-373					RESTRICTED	RADIO CONTROL BOX RC-374					RESTRICTED	LOOP LP-17					RESTRICTED	INDICATOR					
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																													
HEIGHT	WIDTH	DEPTH																																			
RADIO COMPASS UNIT RC-373					RESTRICTED																																
RADIO CONTROL BOX RC-374					RESTRICTED																																
LOOP LP-17					RESTRICTED																																
INDICATOR																																					
COMBINED WEIGHT OF COMPONENTS: COMBINED VOLUME: NET WEIGHT:		38.5 LBS. 8" 8" 15 1/8"																																			

INSTRUCTIONAL LITERATURE:	STATUS:	STANDARD 2 MAR 36	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-244																																										
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MC) 0.5 - 20 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: TUNING: (MO OR XTAL) NOT APPLICABLE SENSITIVITY: SELECTIVITY: POWER SOURCE: 905/125 VOLTS, a-c SIMILAR SETS: POWER OUTPUT: (WATTS) NOT APPLICABLE TUBES: (TYPE AND NUMBER) 1 VT-65 1 VT-87 1 VT-96 2 VT-66 2 VT-90 1 VT-116 3 VT-88 1 VT-91 3 VT-117		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: INTERCEPT RECEIVER FOR COMMUNICATION AND MONITORING PURPOSES. RANGE: (MILES) DOES NOT APPLY TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: TYPE OF SIGNAL: AM - CW																																									
 RADIO SET SCR-244 (MANUFACTURER'S MODEL) COMPONENTS. SCR-244 COMES IN RACK AND CABINET MOUNTING. COMMERCIAL HAMMARLUND SUPER-PRO RECEIVER.			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)																																											
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RECEIVER</td> <td>12.25"</td> <td>23"</td> <td>16.5"</td> <td>70#</td> <td></td> </tr> <tr> <td>POWER UNIT</td> <td>8.25"</td> <td>13"</td> <td>8.5"</td> <td>35#</td> <td></td> </tr> <tr> <td colspan="5">COMBINED WEIGHT OF COMPONENTS</td> <td>115#</td> </tr> <tr> <td colspan="5">COMBINED VOLUME OF COMPONENTS</td> <td></td> </tr> <tr> <td colspan="5">SHIP TONNAGE</td> <td></td> </tr> </tbody> </table>					ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RECEIVER	12.25"	23"	16.5"	70#		POWER UNIT	8.25"	13"	8.5"	35#		COMBINED WEIGHT OF COMPONENTS					115#	COMBINED VOLUME OF COMPONENTS						SHIP TONNAGE					
			ITEM	DIMENSIONS			WEIGHT		CLASSIFICATION																																					
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COMBINED WEIGHT OF COMPONENTS					115#																																									
COMBINED VOLUME OF COMPONENTS																																														
SHIP TONNAGE																																														

SCR-242		NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	LIMITED STANDARD 10 NOV 42	INSTRUCTIONAL LITERATURE TO OB-10-11, 21, 27
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MHz) .15 - 1.5, 1.75 WITH MODIFICATION KITS. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: --- ANTENNA: VERTICAL MAST 5' OR 7.6' & LOOP ANTENNA MOUNTED ON AIRPLANE WITH REMOTE CONTROL OF ROTATION. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 1/2 VOLT D.C. AND DYNAMOTOR DM-18 SIMILAR SETS: SCR-186 POWER OUTPUT: (WATTS) RECEIVES ONLY. TUBES: (TYPE AND NUMBER) 1 VT-66 6 VT-86 1 VT-87 1 VT-93 1 VT-94 2 VT-96			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: AURAL RECEPTION OF MODULATED RADIO FREQUENCY ENERGY OR VISUAL UNIDIRECTIONAL, RIGHT-LEFT INDICATION OF THE DIRECTION OF ARRIVAL OF RADIO FREQUENCY ENERGY WITH RESPECT TO THE PLANE OF THE LOOP AND SIMULTANEOUS "ON SOURCE" AURAL RECEPTION OF MODULATED RADIO FREQUENCY ENERGY. NAVIGATION & MONITORING AID IN AIRCRAFT. RANGE: (MILES) --- TO COMMUNICATE WITH: --- TO REPLACE IN PART: SCR-186 TRANSPORTATION: AIRCRAFT INSTALLATION. TYPE OF SIGNAL: RECEIVES CB; TONE; VOICE.				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
ITEM	HEIGHT	WIDTH	DEPTH	WEIGHT	CLASSIFICATION		
DC-510-A RADIO COMPASS UNIT	7 1/8	18 1/2	11 5/8	42.1			
DC-511-A RADIO CONTROL BOX	7	7	3 3/4	5.2			
LP-13-A LOOP	25 5/8	20 3/4	2 1/4	5.5			
CS-8-A LOOP MOUNTING	22 1/2	7 1/2	7 1/2	9.2			
SL-163-A LOOP MOUNTING CAP	2 1/8	2 1/8	1 5/8	0.2			
I-65 COMPASS INDICATOR	5 1/4	3 1/4	3	1.5			
MD-124 TUNING SHAFT	3/4	3/4		1.8			
MD-127 TUNING UNIT	1 1/2	1 1/2	1 1/4	0.1			
TM-180-A JUNCTION BOX (FOR PLANES WHICH DO NOT CONTAIN BUILT IN PANEL OR JUNCTION BOX).	5 5/8	6 3/4	2 13/16	1.7			
COMBINED WEIGHT OF COMPONENTS:				87.4	WITH TM-180-A		
COMBINED VOLUME				129.5	WITH TM-180-A		
SHIP TONNAGE:				0.025 approx.			

GENERAL VIEW OF SET IN OPERATING POSITION

SCR-242 IS AN AIRCRAFT RADIO COMPASS, MANUALLY TUNED FROM LOCAL OR
REMOTE STATION.

THIS SHEET IS CLASSIFIED: **RESTRICTED**

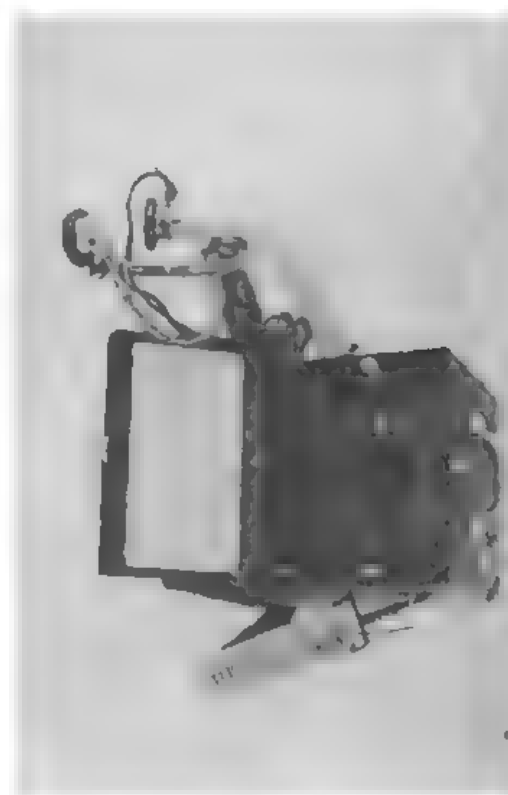
(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

INSTRUCTIONAL LITERATURE:	STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-237																																													
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MHz) Trans: 1.2 - 1.5; 2 - 18. Recv: 1.5 - 18. NUMBER OF CRYSTALS: PRESET FREQUENCIES: 10 ANTENNA: INVERTED L. TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 110V AC 60 CYCLES AHA. POWER SEPT. GASOLINE ENGINE GEN. 110V 60 CYCLES AC, PE-75. SIMILAR SETS: POWER OUTPUT: (WATTS) APPROX. 90 TUBES: (TYPE AND NUMBER) NO TUBE COMPLEMENT AVAILABLE.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: AIR CORPS ON GROUND - AIR CORPS SQUADRONS. GROUND-TO-AIR, POINT-TO-POINT COMMUNICATION. RANGE: (MILES) 750 USING OM GROUND-TO-AIR. TO COMMUNICATE WITH: SCR-181; SCR-187; SCR-188; SCR-193; SCR-197; SCR-238; SCR-240; SCR-245; SCR-261; SCR-274; SCR-283; SCR-286; SCR-287; SCR-506; SCR-536. TO REPLACE IN PART: SCR-188-A TRANSPORTATION: TRUCK OR CARRED AIRCRAFT - OPERATOR AS FIXED STATION. TYPE OF SIGNAL: CW; Tone; Voice.																																												
 PRINCIPAL COMPONENTS OF RADIO SET SCR-237-13 at LOCATION NO. 2 (Receiver Location) Front View - Set Up for Field Operation			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																														
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>1 TRANSMITTER ANST-3 (NAVY ATC)</td> <td></td> <td></td> <td></td> <td></td> <td rowspan="2">RESTRICTED UNCLASSIFIED</td> </tr> <tr> <td>3 RECEIVERS BC-342</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="text-align: center;">(MINIMUM CONSISTENT WITH BEST ENGINEERING PRACTICE)</td> </tr> <tr> <td colspan="6">COMBINED WEIGHT OF COMPONENTS:</td> </tr> <tr> <td colspan="6">COMBINED VOLUME:</td> </tr> <tr> <td colspan="6">SHIP TONNAGE</td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	1 TRANSMITTER ANST-3 (NAVY ATC)					RESTRICTED UNCLASSIFIED	3 RECEIVERS BC-342					(MINIMUM CONSISTENT WITH BEST ENGINEERING PRACTICE)						COMBINED WEIGHT OF COMPONENTS:						COMBINED VOLUME:						SHIP TONNAGE					
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																									
				HEIGHT	WIDTH	DEPTH																																											
			1 TRANSMITTER ANST-3 (NAVY ATC)					RESTRICTED UNCLASSIFIED																																									
3 RECEIVERS BC-342																																																	
(MINIMUM CONSISTENT WITH BEST ENGINEERING PRACTICE)																																																	
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THIS SHEET IS CLASSIFIED: **RESTRICTED**

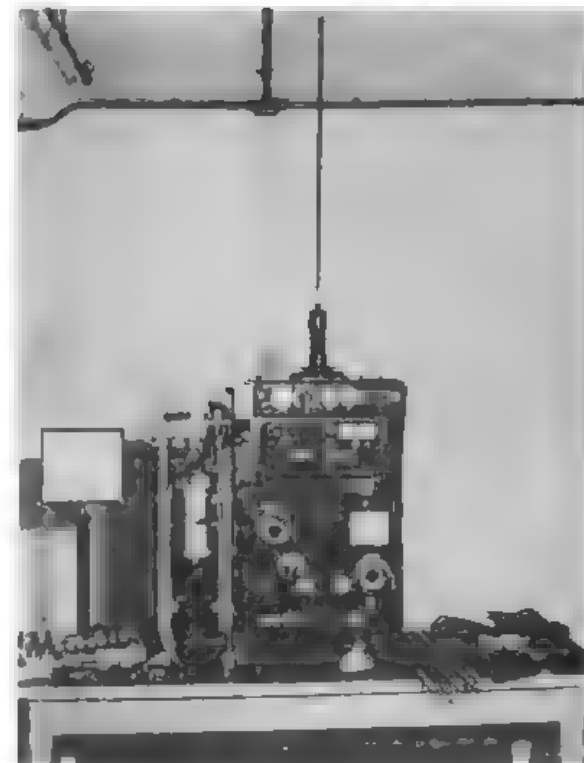
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SCR-211		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		STANDARD 3 Jun 36		INSTRUCTIONAL LITERATURE SCR-211 - TM 11-300, 11-300, J, L, T, G, AA, AG	
PART A TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 125 - 20. NUMBER OF CRYSTALS: 2 CRYSTAL DC-9-F. PRESET FREQUENCIES: None ANTENNA: 2 TO 3 FOOT NO. 12 SSB HARD DRAWN SWS. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: BA-23-(4); BA-2-(6) SIMILAR SETS: POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) SCR-211-G - (1 BC-221-G) 1 TYPE 76 1 TYPE 77 1 TYPE 6AY				PART B TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: FOR CALIBRATING AND ADJUSTING AIRCRAFT AND FIELD RADIO SETS. RANGE: (Miles) TO COMMUNICATE WITH: TO REPLACE IN PART: TRANSPORTATION: PORTABLE TYPE OF SIGNAL:				CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)											
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
FREQUENCY METER BC-221		15.15	10.13	9.64	17.16						
CRYSTAL UNIT DC-9											
CALIBRATION BOOK MC-177											
COMBINED WEIGHT OF COMPONENTS:					38 (COMPLETE WITH BATTERY)						
COMBINED VOLUME:											
SHIP TONNAGE:											

 RADIO SET SCR-211-B
 Serial 148299 4112 4047 for 4


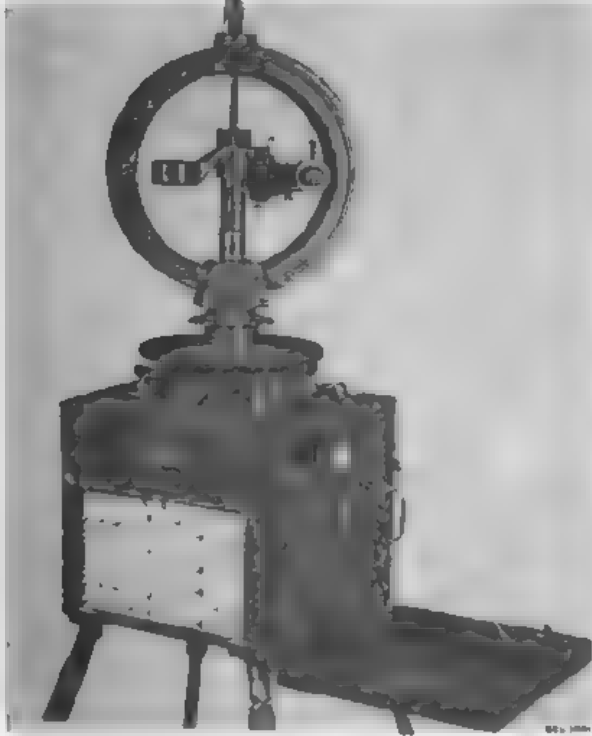
INSTRUCTIONAL LITERATURE TM 11-272	STATUS	LIMITED STANDARD 24 Nov 48	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION SCR-210																																		
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: 1.5 - 18.0 (REMEMBER ONLY) NUMBER OF CRYSTALS: PRESET FREQUENCIES: NONE ANTENNA: 15' 5 SECTION FISHPOLE OR NF-14 OR 37. TUNING: (NO OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: DYNAMOTOR INTERNAL /12V OR 24V CAR BATTERY. SIMILAR SETS: POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) SCR-210-A USES 1 8C-312: 2 6C5 3 6X6 2 6X7 3 6L7 1 6R7GT 2 6K7GT		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: Signal Corps School & Army F Repl Train Cmn of 8th ARMD. IN ANY VEHICLE SEPARATE RECEIVER IS REQUIRED. RANGE: (MILES) TO COMMUNICATE WITH: TO REPLACE IN PART: SCR-190 TRANSPORTATION: VEHICLE TYPE OF SIGNALS CW; TONE; VOICE.																																	
 RADIO RECEIVER 8C-312, PRINCIPAL COMPONENT OF RADIO SET SCR-210. RADIO SET SCR-210 USES RECEIVER ONLY. SUPPLY LETTER DENOTES VEHICLE IN WHICH THE SET IS USED. RADIO SET SCR-210 REPLACED BY SCR-558.			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																			
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO RECVR, 8C-312 ORIGINAL MODEL USED RECVR, 8C-189 (KNOWN AS SCR-210)</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS</td> <td></td> <td></td> <td></td> <td>7#</td> <td></td> </tr> <tr> <td>COMBINED VOLUME</td> <td></td> <td></td> <td></td> <td>2 cu.ft.</td> <td></td> </tr> <tr> <td>SHIP TONNAGE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO RECVR, 8C-312 ORIGINAL MODEL USED RECVR, 8C-189 (KNOWN AS SCR-210)					UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS				7#		COMBINED VOLUME				2 cu.ft.		SHIP TONNAGE					
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																														
				HEIGHT	WIDTH	DEPTH																																
			RADIO RECVR, 8C-312 ORIGINAL MODEL USED RECVR, 8C-189 (KNOWN AS SCR-210)					UNCLASSIFIED																														
COMBINED WEIGHT OF COMPONENTS				7#																																		
COMBINED VOLUME				2 cu.ft.																																		
SHIP TONNAGE																																						

SCR-209		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	LIMITED STANDARD 13 Dec 37	INSTRUCTIONAL LITERATURE 1B Book No. 500209		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MC) TRANS. 2.2 - 2.4. RECVR. 1.5 - 18.0 (BC-312); 2.0 - 3.0 (BC-189) NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 15' 5 SECTION FIBROPE OR MP-14 OR 37. TUNING: (MC OR KTL) NO SENSITIVITY: SELECTIVITY: POWER SOURCE: MOTOR GENERATOR AND BATTERY UNIT PE-48. RECVR. DYNAMOTOR UNIT BC-69. SIMILAR SETS: POWER OUTPUT: (WATTS) CW-0.5; TONE-7.5; VOICE-7.5 60% MOD. TONE, 40% VOICE. TUBES: (TYPE AND NUMBER) 2 VT-25 5 VT-36 1 VT-38 4 VT-49 1 VT-50				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: COMBAT AND SCOUT CARS. RANGE: (MILES) STATIONARY: CW-30; TONE-20; VOICE-5. MOVING: CW-10; TONE-6; VOICE-3. TO COMMUNICATE WITH: SCR-193; SCR-203; SCR-209; SCR-210; SCR-238. TO REPLACE IN PART: SCR-189; 199. TRANSPORTATION: VEHICLES. TYPE OF SIGNALS: CW; TONE; VOICE; AM				CHANGE IN STATUS		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)										
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION					
	HEIGHT	WIDTH	DEPTH							
RADIO TRANS. BC-176-A					UNCLASSIFIED					
RADIO TRANS. RECVR. BC-189					UNCLASSIFIED					
RADIO RECVR. BC-312-A-S-C-D.					UNCLASSIFIED					
MOTOR GENERATOR PE-48										
COMBINED WEIGHT OF COMPONENTS:				165#						
COMBINED VOLUME:				4 Cu.Ft.						
SHIP TONNAGE:										



RADIO SET SCR-209 IN OPERATING POSITION.

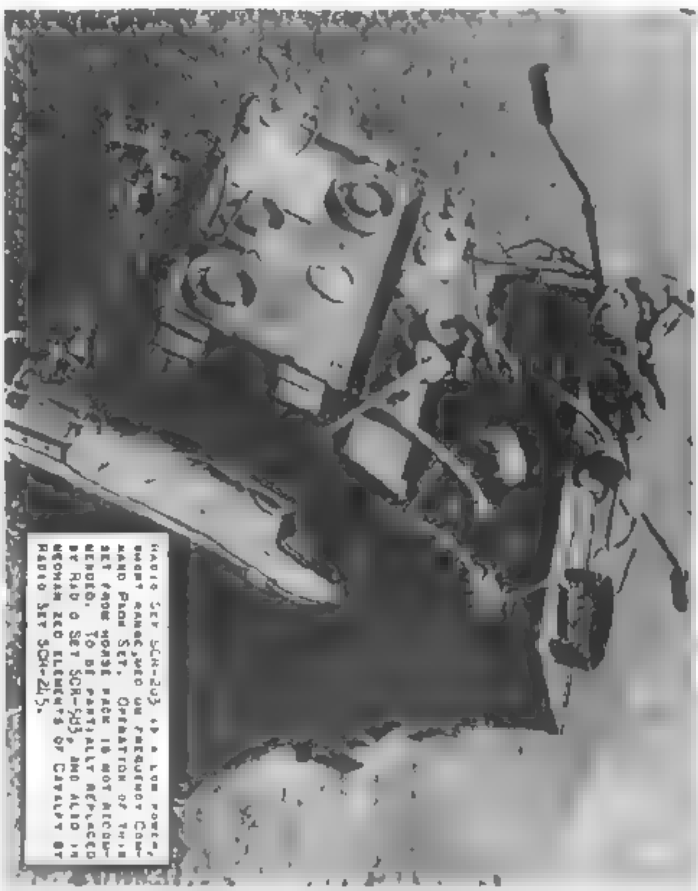
VERY FEW OF THESE SETS USING RECEIVER BC-189 ARE NOW IN USE. SCR-209 IS BEING REPLACED BY SCR-245.

INSTRUCTIONAL LITERATURE (SCR-206-D) TM-11-240-D (SCR-206-F) TM-11-240-F		STATUS	LIMITED STANDARD 11 Jun 42	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: SCR-206				
CHANGE IN STATUS					PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:)				
				FREQUENCY RANGE: (MC) 3.2 - 18.0 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: Loop TUNING: (MC OR KTA) SENSITIVITY: 20 - 100 MICROVOLTS PER METER. SELECTIVITY: POWER SOURCE: 6-VOLT STORAGE BATTERY. SIMILAR SETS: SCR-503 POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) 1 VT-24 5 VT-117 1 VT-28 1 VT-150 2 VT-105 1 VT-152 (NOTE: THE TUBE LINE-UP IS FOR SCR-206-D. EACH MODEL HAS DIFFERENT SET OF TUBES.)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: TO INTERCEPT AND LOCATE ENEMY GROUND STATIONS. RANGE: (MILES) SHORT TO COMMUNICATE WITH: NOT APPLICABLE. TO REPLACE IN PART: TRANSPORTATION: PORTABLE TYPE OF SIGNAL: NOT APPL. OABLE.			
				PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)					
				ITEM		DIMENSIONS		WEIGHT	CLASSIFICATION
						HEIGHT	WIDTH		
				RECEIVER SC-470		24 1/8"	16 3/8"	15 1/2"	65.5#
ANTENNA (Sence) (EACH SECT.)		35 5/8"			1.5#				
Loop LP-22		17 5/8"	15 "	5 "	4.6#				
BATTERY BOX		11 1/2"	23 "	16 1/4"	38.6#				
COMBINED WEIGHT OF COMPONENTS		INCLUDED IN CASES, CRATES,			305#				
COMBINED VOLUME OF COMPONENTS:									
SHIP TONNAGE									

RADIO SET SCR-206 IN OPERATING POSITION

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

THIS SHEET IS CLASSIFIED UNCLASSIFIED

SCR-203		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		LIMITED STANDARD 6 FEB 43		INSTRUCTIONAL LITERATURE TM 11-239			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: (MC) TRANS: 2.2 - 3.06. RECVR: 2.1 - 3.1. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ANTENNA: 21 8 SECTION FISHPOLE WHEN USED ON GROUND. FOR MOUNTED OPERATION FEWER SECTIONS ARE USED. TUN NG: (MC OR XTAL) NO SENSITIVITY: SELECTIVITY: POWER SOURCE: BN-35; 8 @ 350 V. DRY BATTERIES; 1 1/2 V; 1 1/2 V; & 90 V. 3 MILAR SETS: POWER OUTPUT: (WATTS) 7.5 AT 60% MODULATION. TUBES: (TYPE AND NUMBER) 1 BC-227 OR BC-227 A; 2 TYPE 866; 1 BC-228 OR BC-228-A; 2 TYPE 10; 1 TYPE 50.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: CAVALRY, FA UNITS AND SIGNAL CORPS. RANGE: (MILES) ON GROUND: CW-30; TONE-20, VOICE-5. MOVING: CW-10; TONE-6; VOICE-3. TO COMMUNICATE WITH: SCR-193; 203; 209; 210; 238; 187; 215. TO REPLACE IN PART: SCR-127; 163-A. TRANSPORTATION: HORSE PACK, VEHICLE. TYPE OF SIGNAL: CW; TONE; VOICE.				CHANGE IN STATUS					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)													
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION							
		HEIGHT	WIDTH	DEPTH									
TRANSMITTER BC-228-A OR BC-228													
RECEIVER BC-227-A OR BC-227													
HAND GENERATOR BN-35													
COMBINED WEIGHT OF COMPONENTS					160#								
COMBINED VOLUME					10 CU.FT								
SHIP TONNAGE													

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THIS SHEET IS CLASSIFIED UNCLASSIFIED

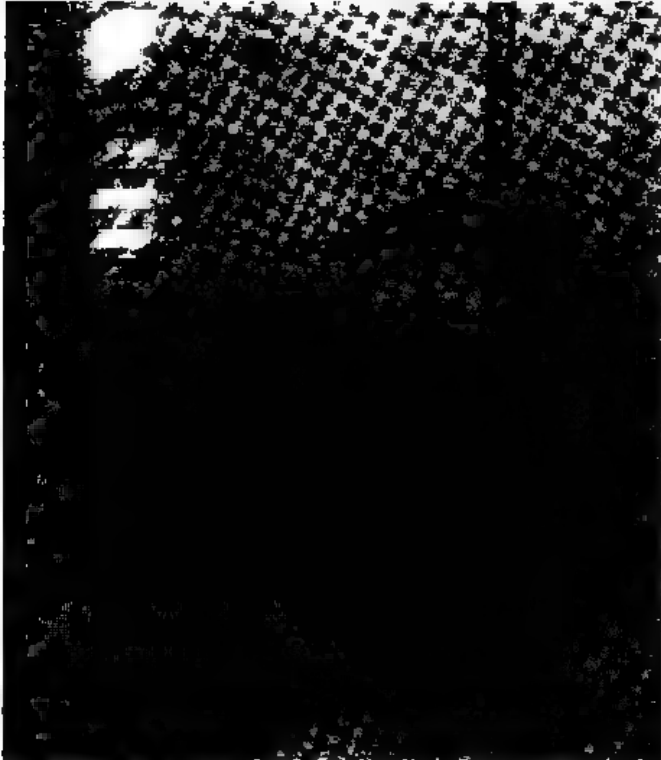
Original from
UNIVERSITY OF CALIFORNIA

INSTRUCTIONAL LITERATURE TM 11-805	STATUS	LIMITED STANDARD (13 JUL 4)	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION		
	CHANGE IN STATUS			SCR-197		
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MC) TRANS. 1.5 - 18.0. RECVR. 1.5 - 18.0. NUMBER OF CRYSTALS: TRANS. - 5; 1 IN EACH RECVR. PRESET FREQUENCIES: 5 XTAL AND 5 MECHANICAL. ANTENNA: 100 FT. WITH COUNTERPOISE, SUSPENDED BETWEEN TRUCK AND SECTIONAL MAST ON 7 SECTION 40' POLE TYPE ANTENNA. TUNING: (MC OR XTAL) MC AND XTAL. SENSITIVITY: SELECTIVITY: POWER SOURCE: TRANS. COMMERCIAL 220/110 V 60 CYCLE GENERATOR GN-42-A. RECVR. COMMERCIAL 110 V 60 CYCLE POWER UNIT PE-75. SIMILAR SETS: SCR-299; SCR-399; SCR-499. POWER OUTPUT: (WATTS) CW-400; TONE-125; VOICE- 125 100% MODULATION. TUBES: (TYPE AND NUMBER) SCR-197-A USES: 6 VT-42- A; 6 VT-46-A; 12 VT-65; 9 VT-66; 6 VT-76; 3 VT-80; 3 VT-83; 6 VT-84; 34 VT-86; 6 VT-87; 6 VT-88; 6 VT-97; 12 VT-101; 9 VT-106; 3 TYPE 913; 6 TYPE KU-610.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: SIGNAL CORPS, AIR CORPS, GROUND TO AIR, LONG RANGE. RANGE: (MILES) CW & STATIONARY - 1000. TO COMMUNICATE WITH: SCR-177; SCR-183; SCR-187; SCR-188-A; SCR-197; SCR-258; SCR-240; SCR-261; SCR-274-N; SCR-285. TO REPLACE IN PART: NONE TRANSPORTATION: VEHICULAR. (VEHICLES INCLUDED) TYPE OF SIGNAL: CW; TONE; VOICE.	
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)			
			ITEM		DIMENSIONS	
		HEIGHT	WIDTH	DEPTH		
RADIO TRANS. BC-325						
RADIO RECVR. BC-342 (3)						
TRUCK K-18						
TRAILER K-19						
COMBINED WEIGHT OF COMPONENTS					15,000# APPROX.	
COMBINED VOLUME					1947 CU. FT.	
SHIP TONNAGE						

RADIO SET SCR-197-A
 INTERIOR VIEW OF TRAILER K-39 SHOWING RADIO OPERATOR'S SEAT ON
 GROUND-TO-AIR LONG RANGE MOBILE SET. TRANSMITTER AND POWER UNIT IN-
 STALLED IN TRUCK K-18. THREE RECEIVERS, TELEPHONE SWITCHBOARD, TYPE-
 WRITER AND TELETYPEWRITERS INSTALLED IN TRAILER K-19.

THIS SHEET IS CLASSIFIED UNCLASSIFIED

CAN BE OPERATED WHILE BEING CARRIED AS A ONE-MAN PACK OR FROM A VEHICLE "WALK E-TALKIE" - PHYSICALLY SIMILAR TO FIELD PACK, NORMALLY, ONLY TWO SETS CAN BE NETTED, REPLACED BY SOH-500.

INSTRUCTIONAL LITERATURE TM 11-298	STATUS:	LIMITED STANDARD 18 Mar 43	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-194																						
	CHANGE IN STATUS:		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) 27.7 TO 52.2. NUMBER OF CRYSTALS: 1 FOR CALIBRATION. PRESET FREQUENCIES: NONE. ANTENNA: ADJUSTABLE ROD FOR GROUND USE (12 SECTIONS MAX.), THREE SECTION FISHPOLE FOR VEHICLE. 1/2-WAVELENGTH ANTENNA EQUIPMENT RC-65 MAY BE ADDED FOR GREATER DISTANCE. TUNING (MO OR XTAL): MO SENSITIVITY: SELECTIVITY: POWER SOURCE: DRY BATTERIES BA-32. SIMILAR SETS: SCR-195 EXCEPT FOR FREQUENCY. POWER OUTPUT: (WATTS) 0.75 @ 60% MODULATION. TUBES: (TYPE AND NUMBER) 6C-222 Transmitter, 1 Type 35 1 Type 50 BPL. PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: USED BY FIELD ARTILLERY, SIGNAL CORPS, ARMORED FORCES. RANGE (Miles): 5 TO COMMUNICATE WITH: SCR-194 ONLY. TO REPLACE IN PART: SCR-161 FOR SHORT WAVE LIAISON. TRANSPORTATION: MAN PACK OR IN VEHICLE. TYPE OF SIGNAL: VOICE.																							
 RADIO SET SCR-194, ASSEMBLED VIEW. "WALKIE-TALKIE" PHYSICALLY SIMILAR TO FIELD PACK. CAN BE OPERATED WHILE BEING CARRIED AS A ONE-MAN PACK OR FROM A VEHICLE. NORMALLY ONLY TWO SETS CAN BE SETTER. TO BE REPLACED BY SCR-300. PARTIALLY REPLACES IN AF BY SCR-509 AND 510. REPLACES IN FA BY SCR-509 AND 610. CAN BE REMOTE CONTROLLED OR OPERATED THROUGH TELEPHONE SWITCHBOARD, WHEN REMOTE CONTROL EQUIPMENT RC-66 IS USED.			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																							
			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RECVR. & TRANS. 6C-222 IN BAG WITH BATTERIES, ANTENNA, HEADSET, AND MICROPHONE.</td> <td>1 Cubic Foot</td> <td></td> <td></td> <td>25.10#</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>AUXILIARY EQUIPMENT AND SPARE PARTS IN CHEST CM-35</td> <td>2 Cubic Feet</td> <td></td> <td></td> <td>64.14#</td> <td>UNCLASSIFIED</td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RECVR. & TRANS. 6C-222 IN BAG WITH BATTERIES, ANTENNA, HEADSET, AND MICROPHONE.	1 Cubic Foot			25.10#	UNCLASSIFIED	AUXILIARY EQUIPMENT AND SPARE PARTS IN CHEST CM-35	2 Cubic Feet			64.14#	UNCLASSIFIED
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																		
				HEIGHT	WIDTH	DEPTH																				
RECVR. & TRANS. 6C-222 IN BAG WITH BATTERIES, ANTENNA, HEADSET, AND MICROPHONE.	1 Cubic Foot			25.10#	UNCLASSIFIED																					
AUXILIARY EQUIPMENT AND SPARE PARTS IN CHEST CM-35	2 Cubic Feet			64.14#	UNCLASSIFIED																					
COMBINED WEIGHT OF COMPONENTS: 90 #																										
COMBINED VOLUME: 3.1 Cu.Ft.																										
SHIP TONNAGE: 103 #																										

THIS SHEET IS CLASSIFIED UNCLASSIFIED

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THIS SHEET IS CLASSIFIED: UNCLASSIFIED

SCR-188		NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS	STANDARD 26 Dec 33	INSTRUCTIONAL LITERATURE TM 11-235.
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION) FREQUENCY RANGE: Trans.: 1.5 - 12.5. RECVR.: 0.5 - 15.0 Mc. NUMBER OF CRYSTALS: 1 as XTAL oscillator. PRESET FREQUENCIES: ANTENNA: INVERTED L (1/2 OR 3/4 WAVE). AM-ZB-A, 25-A, 25, 26, 27, & 28. TUNING: (NO OR XTAL) NO SENSITIVITY: SELECTIVITY: POWER SOURCE: Trans. PE-49-A; RECVR. BC-AA-191; BC-AB-69; BC-AC-69; BC-AD-69; BC-AE-69, WITH 12 V STORAGE BATTERY. SIMILAR SETS: SCR-177-A EXCEPT FREQUENCY. POWER OUTPUT: (WATTS) 75 AT 85% MODULATION TONES VOICE. TUBES: (TYPE AND NUMBER) 1 BC-189-A; 3 TYPE 36; 1 TYPE 38; 4 TYPE 59/64. 1 BC-AA-191; 1 TYPE 10; 1 TYPE 21 OPT.			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION) USE: AC PURSUIT: SQDN, GRP, BNC. ATTACK: 3 SQDN, GRP, BNC, ORG. SIG CO: 1 AWS CO. RANGE: (MILES) CB-100; TONE-70; VOICE-30. TO COMMUNICATE WITH: SCR-185; SCR-187; SCR-188; SCR-177; SCR-240-A; SCR-259-A; SCR-261-A; SCR-274-N; SCR-289; SCR-287; SCR-238-A. TO REPLACE IN PART: NONE TRANSPORTATION: VEHICLES OR PLANE (OPERATED ON GROUND ONLY). TYPE OF SIGNAL: CW; TONE; VOICE. (A.M.)		CHANGE IN STATUS		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION		
	HEIGHT	WIDTH	DEPTH				
RADIO TRANS. BC-AA-191					UNCLASSIFIED		
RADIO RECVR. BC-189-A					UNCLASSIFIED		
POWER UNIT PE-49					UNCLASSIFIED		
COMBINED WEIGHT OF COMPONENTS				1,150#			
COMBINED VOLUME OF COMPONENTS				25 cu.ft.			
SHIP TONNAGE							

RADIO SET SCR-188, IN OPERATING POSITION.

SCR-187

INSTRUCTIONAL LITERATURE
 COVERED BY BOOKS FOR TRANS.
 SC-191 & RECEIVER BC-224
 BC-191-A, B, C, D, E & AA-191
 TM 11-800
 SC-191-N - TO 08-10-165
 BC-224-A TO 08-10-24
 BC-224-B - TO 08-10-25
 BC-224-C - TO 08-10-47
 BC-224-D - IS STOCK NO.
 2C 1224 D/A
 BC-224-E, G, H - TO 08-10-79
 BC-224-F, K - TO 08-10-180
 BC-224-L - TO 08-10-164

STATUS

LIMITED STANDARD
 13 Nov 43

**CHANGE IN
STATUS:**

**NOTE SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION.**

**NOMENCLATURE
DESIGNATION:**

**PART A - TECHNICAL CHARACTERISTICS
(CLASSIFICATION)**

FREQUENCY RANGE: RECVR. - 1.5 - 18 Mc.
 TRANS. - 1.5 - 12.5 Mc.; 300-500Kc; 600-1500Kc.

NUMBER OF CRYSTALS: None

PRESET FREQUENCIES: None

ANTENNA: TRAILING WIRE

TUNING: (NO OR XTAL) NO

SENSITIVITY: SELECTIVITY:

POWER SOURCE: 12 - 14 VOLT AIRPLANE BATTERY SUPPLY

SIMILAR SETS: SCR-287

POWER OUTPUT: (WATTS) 30 - 60 WATTS.

TUBES: (TYPE AND NUMBER) SCR-AA-137 USES:

TRANS. - 1 VT-4-B
 1 VT-25
 RECVR. - 1 VT-37
 1 VT-58
 1 VT-69

**PART B - TACTICAL CHARACTERISTICS
(CLASSIFICATION)**

USE: AIR-TO-AIR, AIR-TO-GROUND COMMUNICATION
LIAISON SET.

RANGE: (MILES) 50 TO SEVERAL HUNDRED MILES.

TO COMMUNICATE WITH: SCR-188; SCR-193; SCR-197;
SCR-299.

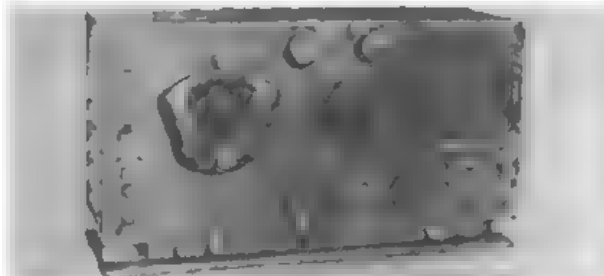
TO REPLACE IN PART:

TRANSPORTATION: AIRBORNE INSTALLATION.

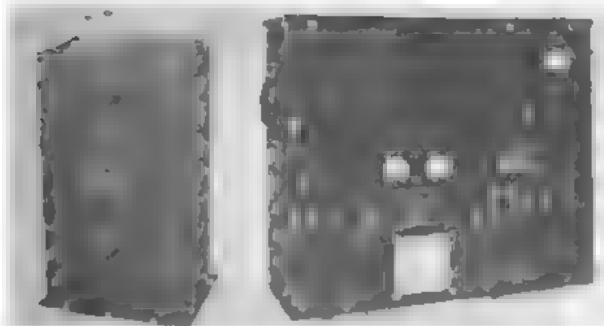
TYPE OF SIGNAL: VOICE, TONE, CW.

**PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION: RESTRICTED)**

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
RADIO TRANS. BC-191	21 21/32	23 1/8	9 5/16	55	
RADIO RECVR. BC-224	18 21/32	10 1/2	9 1/2	40	
DYNAMOTOR UNIT BD-77	11 21/32	16 5/4	8	4.4	
RADIO CONTROL BOX BC-309	3 9/16	3 1/2	2 7/32	4.2	
ANTENNA TUNING UNIT BC-306	17 5/4	9 1/2	9 1/8	9.75	
TRANSMITTER TUNING UNIT TU-3	7 5/8	16 3/4	8 3/4	15	
TRANSMITTER TUNING UNIT TU-5	7 5/8	16 3/4	8 3/4	15	
TRANSMITTER TUNING UNIT TU-6	7 5/8	16 3/4	8 3/4	15	
TRANSMITTER TUNING UNIT TU-7	7 5/8	16 3/4	8 3/4	15	
TRANSMITTER TUNING UNIT TU-8	7 5/8	16 3/4	8 3/4	15	
TRANSMITTER TUNING UNIT TU-9	7 5/8	16 3/4	8 3/4	15	
TRANSMITTER TUNING UNIT TU-10	7 5/8	16 3/4	8 3/4	15	
NOTE: DUE TO VARIATIONS IN AIRCRAFT INSTALLATIONS, BOTH WEIGHTS AND VOLUMES OF COMPLETE SETS VARY CONSIDERABLY AND THE FIGURES SHOWN ARE THEREFORE APPROXIMATE.					
COMBINED WEIGHT OF COMPONENTS:				250 LBS. APPROX.	
COMBINED VOLUME:				6 CU. FT. APPROX.	
SHIP TONNAGE					



RADIO RECEIVER BC-224

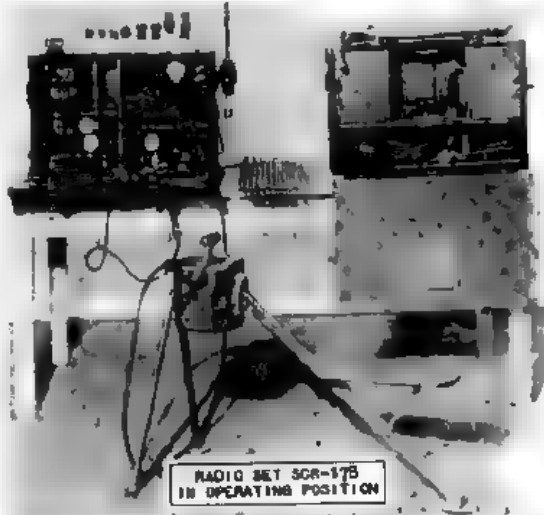
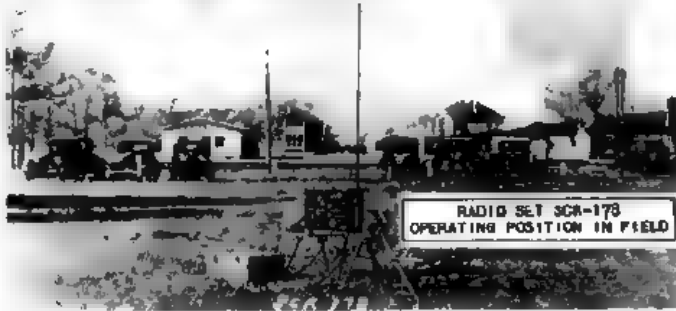
ANTENNA TUNING UNIT
BC-306.RADIO TRANSMITTER BC-191 (TRANSMITTER
TUNING UNIT TU-5 IN PLACE)

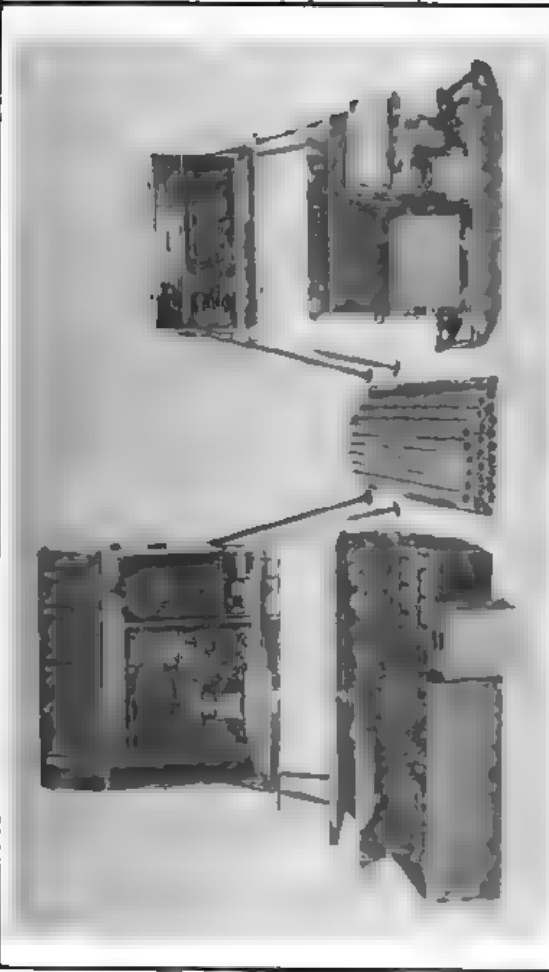
RADIO SET SCR-187. COMPONENTS.
 RECEIVER BC-224 CONTAINS CRYSTAL FILTER.

THIS SHEET IS CLASSIFIED: UNCLASSIFIED

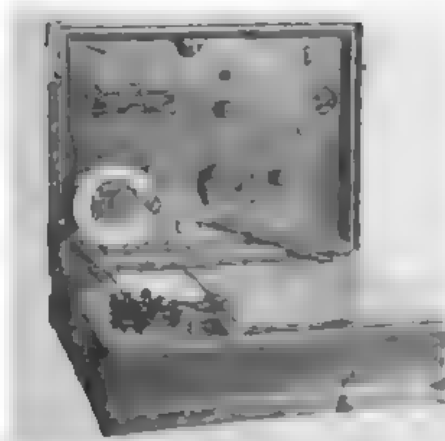
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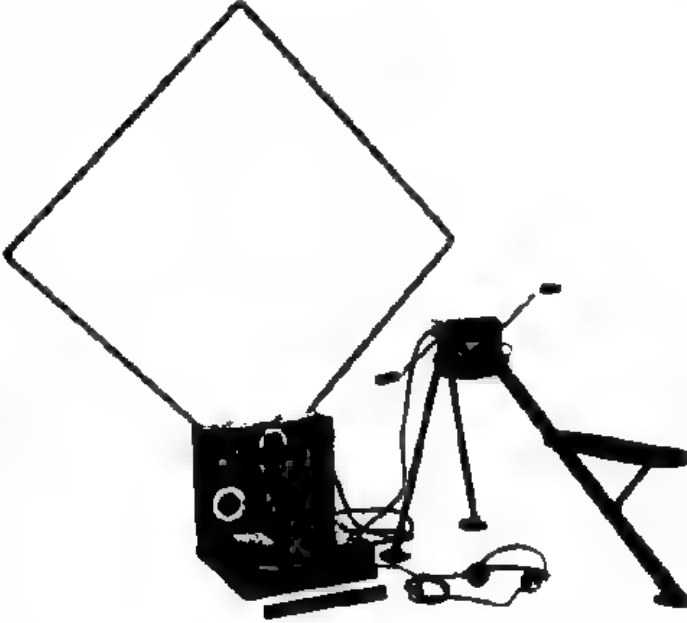
INSTRUCTIONAL LITERATURE TM 11-231	STATUS	OBSELETE 4 Feb 64	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION SCR-179																																																				
CHANGE IN STATUS			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)																																																			
			FREQUENCY RANGE: TRANSMITTER, 2.4 - 3.7 RECEIVER, 2.4 - 3.7 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: 27 FOOT FIMPOLE, WITH COUNTERPOISE, TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: RADIO GENERATOR GN-37, 8 AMP 500 V. DRY BATTERIES AS FOLLOWS: 4 BA-2; 4 BA-23; 2 BA-27. SIMILAR SETS: SCR-178. POWER OUTPUT: (WATTS) CW-5; TONE-3; VOICE-2.2, TONE-1005; VOICE-90% MODULATION. TUBES: (TYPE AND NUMBER) 1 6C-186 uses: 2, 30; 2, 34; 1 6C-187-A uses: 1, 10; 1, 66; 1 6C-188-A uses: 2, 30.		USES: FIELD ARTILLERY, HORSE AND PACK ARTILLERY, OPERATES ON GROUND. RANGE: (MILES) POINT-TO-POINT: CW-25; TONE-20; VOICE-10. AIR-TO-GROUND: CW-100; TONE-75; VOICE-30. TO COMMUNICATE IN THE RADIO SET SCR-178; SCR-179, AND SCR-238. TO REPLACE IN PART: RADIO SET SCR-109-A TRANSPORTATION: HORSE PACK. TYPE OF SIGNAL: CW - TONE - VOICE, (A.M.)																																																			
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)																																																					
RADIO SET SCR-179 HORSE PACK			<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO MODULATOR, BC-185</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>RADIO TRANSMITTER, BC-187</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>RADIO RECEIVER, BC-186</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>RADIO GENERATOR GN-37</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS</td> <td>203#</td> <td></td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS</td> <td>5 Cu.Ft.</td> <td></td> </tr> <tr> <td colspan="4">SHIP TONNAGE</td> <td></td> <td></td> </tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO MODULATOR, BC-185						RADIO TRANSMITTER, BC-187						RADIO RECEIVER, BC-186						RADIO GENERATOR GN-37						COMBINED WEIGHT OF COMPONENTS				203#		COMBINED VOLUME OF COMPONENTS				5 Cu.Ft.		SHIP TONNAGE					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																																			
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SHIP TONNAGE																																																								
RADIO SET SCR-179 OPERATING POSITION IN FIELD			RADIO SET SCR-179, IS A LOW POWER SET FOR POINT-TO-POINT AND GROUND- TO-AIR COMMUNICATION. THIS SET IS IDENTICAL WITH RADIO SET SCR-178 EXCEPT CARRYING CASES HAVE PACK SADDLE HANGERS.																																																					

SCR-178		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS		OBSOLETE 4 FEB 66		INSTRUCTIONAL LITERATURE TM 11-231	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MHz) TRANS. 2.4 - 3.7. RECVR. 2.4 - 3.7. NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: 27 FT. FISHPOLE WITH COUNTERPOISE. TUNING (MD OR XTAL): MD SENSITIVITY: SELECTIVITY: POWER SOURCE: TRANS.-HAND GENERATOR 6 @ 500 V. RECVR.-DVT BATTERIES - 4 BA-2; 4 BA-23 AND 2 BA-27. SIMILAR SETS: SCR-179 POWER OUTPUT: (Watts) CW - 5; TONE - 5; VOICE - 2.2 TONE - 100%, VOICE - 90% MODULATION. TUBES: (TYPE AND NUMBER) TUBES: 1 BC-186, RECVR. 2 TYPE 30, 2 TYPE 34, 1 BC-187-A1, 1 TYPE 10, 1 TYPE 845, 1 MODULATOR BC-188-A1, 2 TYPE 50.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: USED BY FIELD ARTILLERY. ON GROUND: FA, MED., MVT. & LT. BN HQ, BNG, REPT HQ. FOR POINT TO POINT, AND GROUND TO PLANE BETWEEN ALL FA UNITS, (EXCEPT PACK) AND AIRCRAFT FOR OBSERVATION PURPOSES. RANGE: (MILES) POINT TO POINT: CW-25; TONE-20; VOICE-10. AIR TO GROUND: CW-100; TONE-75; VOICE-10. TO COMMUNICATE WITH: SCR-178; SCR-179 AND SCR-238. TO REPLACE IN PART: SCR-109-A. TRANSPORTATION: CARRIED IN VEHICLE. TYPE OF SIGNALS: CW, TONE, VOICE.				CHANGE IN STATUS			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)											
											
ITEM		DIMENSIONS		WEIGHT		CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
1 RADIO TRANS. BC-187-(A)					12.2#		UNCLASSIFIED				
1 RADIO MODULATOR BC-188-(A)					6.1#		UNCLASSIFIED				
1 RADIO RECVR. BC-186					9.2#		UNCLASSIFIED				
1 GENERATOR GN-37					30.0#		UNCLASSIFIED				
COMBINED WEIGHT OF COMPONENTS:					200 #						
COMBINED VOLUME					14 Cu. Ft.						
SHIP TONNAGE					224 #						

INSTRUCTIONAL LITERATURE: TM 11-232	STATUS: CHANGE IN STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE SCR-177-B	
 RADIO SET SCR-177--PRINCIPAL COMPONENTS RADIO SET SCR-177-B is the same as RADIO SET SCR-177 except SCR-177-B uses RECEIVERS BC-312 and BC-314, INSTEAD OF BC-189-A SHOWN IN ABOVE PHOTOGRAPH.			PART A--TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MC) Trans. .4 - .8; 1.5 - 4.5 Recvr. .15 - 18.0 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: GROUND TO .4 TO .8 MC/1.5 TO 4.5; INVERTED "L", AN-21-A, 22-A, 23, 25, 26 & 27. TUNING: (MC OR XTAL) MC SENSITIVITY: SELECTIVITY: POWER SOURCE: Trans. PE-49; Recvr. DM-23, AND 12V BATTERY. SIMILAR SETS: SCR-188-A POWER OUTPUT: (WATTS) 75 @ 100% MOD. TUBES: (TYPE AND NUMBER) 4-6CS 2-6F6 8-6X7 2-6L7 2-6R7 1-10 4-211SP4	PART B TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: Sig Co Sig Bn, Div Sig Co, R. I. Co, AA Rest Hq, AA Bn Hq Co, C&G (TO) SHQ, REST Hq, Bn Hq. HY ABLY: (ND) SHQ, REST Hq, Bn Hq, STBY (LTRD) AG. RANGE: (MILES) CB-100; Tone-70; Voice-50. TO COMMUNICATE WITH: SCR-177-B; SCR-187; SCR-193; SCR-258-A; SCR-287-A. TO REPLACE IN PART: SCR-152-A; SCR-156; SCR-177-A. TRANSPORTATION: CARRIED IN VEHICLE, OPERATED ON GROUND. TYPE OF SIGNAL: CB; Tone; Voice; A.N.	
PART C--PRINCIPAL COMPONENTS (CLASSIFICATION:)					
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
TRANS. BC-191					
RECVR. BC-314					
RECVR. BC-312					
POWER UNIT PC-49					
COMBINED WEIGHT OF COMPONENTS					
COMBINED VOLUME OF COMPONENTS					
SHIP TONNAGE					

SCR-177		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 26 Dec 33	INSTRUCTIONAL LITERATURE TM 11-232			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MHz) Trans: 4 to 10; 10.5 to 14.5 Recv: 4 to 10; 10.5 to 14.5. NUMBER OF CRYSTALS: None PRESET FREQUENCIES: None ANTENNA: DROP-POUT 4 to 10 MHz/1.5 to 4.5 INVERTED "L". AN-21-A, 22-A, 23, 25, 26, & 27. TUNING: (MO ON XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: TRANS. BC-191-A. RECV. BC-AA-69; BC-AB-69; BC-AC-69; BC-AD-69; BC-AE-69; WITH 12- V. STORAGE BATTERY. SIMILAR SETS: SCR-188 POWER OUTPUT: (WATTS) 75 AT 85% MOD. TUBES: (TYPE AND NUMBER) TUBE CONTENT OF 177-A1 1 BC-189-A1 3 36; 1 38; 4 59/44. 1 BC-191-A1 1 10; 4 211.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: SIG CO; SIG BN, DIV SIG CO, R.I. CO, AA REPT HQ, AA BN HQ CO. CAC: (TD) BNQ, REPT HQ, BN HQ. RT ARTY: (ND) BNQ, REPT HQ, BN HQ, BTRY (LTD) XC. RANGE: (Miles) CW-100; TONE-70; VOICE-50. TO COMMUNICATE WITH: SCR-177-B; SCR-187; SCR-193; SCR-238; SCR-287. TO REPLACE IN PART: SCR-132-A; SCR-136. TRANSPORTATION: CARRIED IN VEHICLE OPERATES ON GROUND. TYPE OF SIGNAL: CW; TONE; VOICE; A.M.				CHANGE IN STATUS:			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)						RADIO SET SCR-177-A. PRINCIPAL COMPONENTS.					
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION					
		HEIGHT	WIDTH	DEPTH							
Radio Trans. BC-191-A						UNCLASSIFIED					
Radio Recv. BC-189-A						UNCLASSIFIED					
Power Unit PE-49						UNCLASSIFIED					
COMBINED WEIGHT OF COMPONENTS:					860g						
COMBINED VOLUME					20 Cu. Ft.						
SHIP TONNAGE											

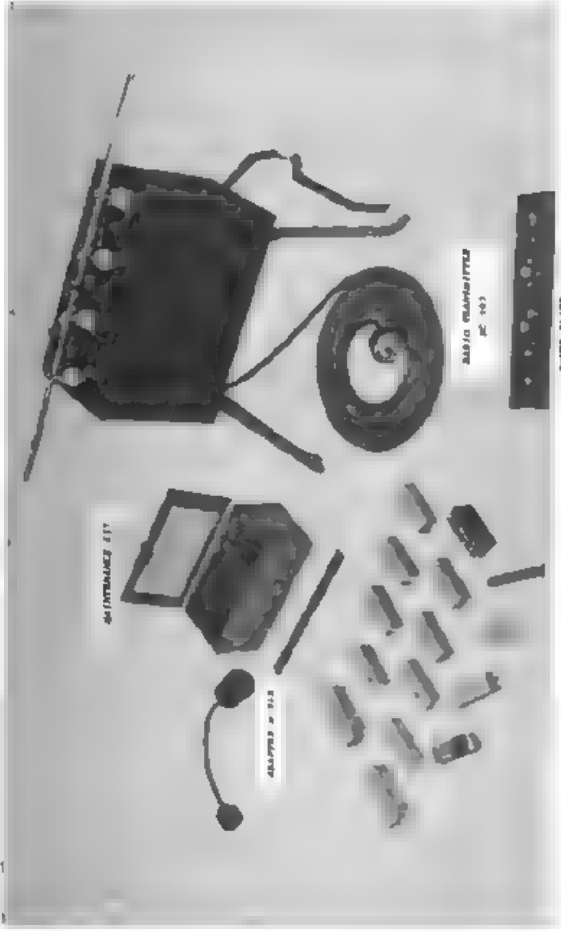
INSTRUCTIONAL LITERATURE: TR 1210-31	STATUS: CHANGE IN STATUS	DATE: 1 Feb 44	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: SCR-171	
 RADIO RECEIVER AND TRANSMITTER BC-156 (PART OF RADIO SET SCR-171) IN OPERATING POSITION. LOW POWER, FIELD COMMUNICATION SET, REPLACED BY SCR-284			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (MC) TRANS. 2.4 to 3.04. NUMBER OF CRYSTALS: NONE. PRESET FREQUENCIES: NONE ANTENNA: 60 FT. "L" TYPE WITH COUNTERPOISE ON GROUND. TUNING (MC OR XTAL): MC SENSITIVITY: SELECTIVITY: POWER SOURCE: TRANS.-MAGN. GENERATOR GN-35 10 & 400 V. REGN. 4.5 & 45 V. DRY BATTERIES. SIMILAR SETS: SCR-131, AND 161 (EXCEPT FREQUENCY AND ANTENNA). POWER OUTPUT: (WATTS) 5 TUBES: (TYPE AND NUMBER) 1 - TYPE 6X VT-25 3 - TYPE 6AQ6 VT-24	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: USED BY INFANTRY, FIELD ARTILLERY, SIGNAL CORPS, AIR CORPS, FOR COM. COM. BETWEEN DIV. HQ. AND BATTAL. ALSO BETWEEN DIV. HQ AND REGIMENT. RANGE: (MILES) 15 TO COMMUNICATE WITH: SCR-171, SCR-203, SCR-245, SCR-193 AND SCR-238. TO REPLACE IN PART: SCR-79-A, AND 150. TRANSPORTATION: CARRIED IN VEHICLE, OPERATED ON GROUND. TYPE OF SIGNAL: CW ONLY.	
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)		
			ITEM RADIO RECEIVER & TRANSMITTER BC-156 GENERATOR GN-35 ANTENNA AN-19 COMBINED WEIGHT OF COMPONENTS: COMBINED VOLUME SHIP TONNAGE	DIMENSIONS HEIGHT WIDTH DEPTH 24 # 1 1/4 # 1.5 # 216 #	WEIGHT CLASSIFICATION UNCLASSIFIED UNCLASSIFIED UNCLASSIFIED

SCR-161	NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	STATUS:	OBSOLETE 1 Feb 44	INSTRUCTIONAL LITERATURE TM 11-237		
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (Mc) TRANS. 4.37 TO 5.1. NUMBER OF CRYSTALS: None ANTENNA: Loop LP-7 TUNING: (MD OR XTAL): NO SENSITIVITY: SELECTIVITY: POWER SOURCES: Trans.- HAND GENERATOR Receiv.- DRY BATTERY 4-1/2 & 45 W. SIMILAR SOURCE: SCR-131 (DIFFERENT FREQUENCY) POWER OUTPUT: (WATTS) 5 TUBES: (TYPE AND NUMBER) 1 8C-151 TRANS.-RECEIVER 1 - TYPE 10 VT-25 3 - Type 84, VT-24		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: USED BY FIELD ARTILLERY. COMMAND COMMUNICATION BETWEEN DIV. ARTILLERY AND REGIMENT AND FROM REGIMENT TO BATTALIONS. ALSO USED FOR LIAISON PURPOSES BETWEEN ARTILLERY UNITS. ON GROUND: BNQ. LT. MED. & MVT. REPT. HQ. BN. HQ. RANGE: (MILES) 5 TO COMMUNICATE WITH: SCR-161, SCR-288 AND SCR-285. TO REPLACE IN PART: SCR-77-B AND 105. TRANSPORTATION: CARRIED IN VEH. OLE, TWO-MAN PACK, OR HORSE PACK. TYPE OF SIGNAL: CW ONLY.		 RADIO SET SCR-161 IN OPERATING POSITION LOW POWER, PORTABLE COMMUNICATION SET, REPLACED BY SCR-285			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)							
ITEM	DIMENSIONS					WEIGHT	CLASSIFICATION
1 RADIO RECEIVER & TRANSMITTER 8C-151 1 HAND GENERATOR 8M-35 1 ANTENNA LOOP LP-7	HEIGHT	WIDTH	DEPTH			22 # 20 1/4 # 1 5/8 #	UNCLASSIFIED UNCLASSIFIED UNCLASSIFIED
COMBINED WEIGHT OF COMPONENTS				155			
COMBINED VOLUME				6 cu. Ft.			
SHIP TONNAGE				904			

RADIO SET SCR-531 IN OPERATING POSITION
LOW POWER, PORTABLE COMMUNICATION SET, REPLACED BY SCR-254

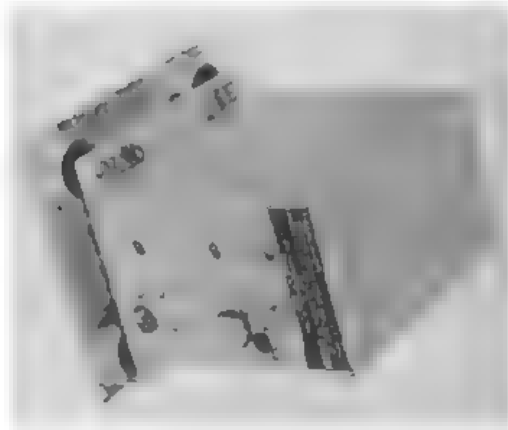
THIS SHEET IS CLASSIFIED: RESTRICTED

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INSTRUCTIONAL LITERATURE: (HMM) AM-GB-10-176 (On RC-115-A)	STATUS: CHANGE IN STATUS:		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION: RC-115																																		
			PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION:) FREQUENCY RANGE: (NO) NONE NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: 75 MD. ANTENNA: One Dipole TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 115 V 50-60 CYCLES 110 WATTS SIMILAR SETS: NONE POWER OUTPUT: (WATTS): One TUBES: (Type and Number) <table border="0"> <tr><td>1</td><td>VT-76</td><td>(52L)</td></tr> <tr><td>2</td><td>VT-119</td><td>(VR-150-30)</td></tr> <tr><td>1</td><td>VT-188</td><td>(7E6)</td></tr> <tr><td>2</td><td>VT-189</td><td>(7F7)</td></tr> <tr><td>1</td><td></td><td>(7N7)</td></tr> <tr><td>5</td><td></td><td>(705)</td></tr> </table>	1	VT-76	(52L)	2	VT-119	(VR-150-30)	1	VT-188	(7E6)	2	VT-189	(7F7)	1		(7N7)	5		(705)	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION:) USE: MARKER BEACON TRANSMITTER TO INDICATE SPOT OR BEACON TO AIRCRAFT. USED IN BLIND APPROACH OR INSTRUMENT LANDING. RANGE: 10,000 FEET STRAIGHT UP. TO COMMUNICATE WITH: RC-59, RC-43, RC-199, RC-1932, AM/AM-8. TO REPLACE IN PART: RC-302 TRANSPORTATION: PLANE OR ANY VEHICLE. TYPE OF SIGNAL: CW, MOD-400, 1500, 3000 CYCLES NEVER 6 DOTS PER SECOND OR 2 DASHES PER SECOND.																
			1	VT-76	(52L)																																	
			2	VT-119	(VR-150-30)																																	
1	VT-188	(7E6)																																				
2	VT-189	(7F7)																																				
1		(7N7)																																				
5		(705)																																				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION:)																																						
<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th><th colspan="3">DIMENSIONS</th><th rowspan="2">WEIGHT</th><th rowspan="2">CLASSIFICATION</th></tr> <tr> <th>HEIGHT</th><th>WIDTH</th><th>DEPTH</th></tr> </thead> <tbody> <tr> <td>RADIO TRANSMITTER RC-902</td><td>22"</td><td>31"</td><td>18"</td><td>51#</td><td rowspan="3">RESTRICTED</td></tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS</td><td></td><td></td><td></td><td>51#</td></tr> <tr> <td>COMBINED VOLUME OF COMPONENTS.</td><td></td><td></td><td>7.5 CU. FT.</td><td></td></tr> <tr> <td>SHIP TONNAGE</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO TRANSMITTER RC-902	22"	31"	18"	51#	RESTRICTED	COMBINED WEIGHT OF COMPONENTS				51#	COMBINED VOLUME OF COMPONENTS.			7.5 CU. FT.		SHIP TONNAGE										
ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																	
	HEIGHT	WIDTH	DEPTH																																			
RADIO TRANSMITTER RC-902	22"	31"	18"	51#	RESTRICTED																																	
COMBINED WEIGHT OF COMPONENTS				51#																																		
COMBINED VOLUME OF COMPONENTS.			7.5 CU. FT.																																			
SHIP TONNAGE																																						

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THIS SHEET IS CLASSIFIED: UNCLASSIFIED

RC-39	NOMENCLATURE DESIGNATION	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	STATUS	STANDARD 25 Oct 39	INSTRUCTIONAL LITERATURE (ON) 08-10-29
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION)	CHANGE IN STATUS:		
FREQUENCY RANGE: (MC) 62 TO 80 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: 75 MC. ANTENNAS: 1/2 WAVE ANTENNA TUNING: (MC OR XTAL) SENSITIVITY: ABOUT 2000 MICROVOLTS/METER SELECTIVITY: POWER SOURCE: 12 VOLTS FROM AIRCRAFT BATTERY AND HIGH VOLTAGE FROM RADIO COMPASS. SIMILAR SETS: RC-43 POWER OUTPUT: (WATTS) TUBES: (TYPE AND NUMBER) (1) VT-53 (1) VT-104		USE: TO RECEIVE 75 MC. MARKER BEACON SIGNALS. RANGE: TO COMMUNICATE WITH: RC-115, AN/MRN-3 TO REPLACE IN PART: RC-30 TRANSPORTATION: AIRBORNE TYPE OF SIGNAL: M. C. W.			
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION)					
ITEM	DIMENSIONS HEIGHT WIDTH DEPTH	WEIGHT	CLASSIFICATION		
Radio Receiver RC-39	5 3/8" 5 3/8" 3 7/16"	2.65 #	UNCLASSIFIED		
COMBINED WEIGHT OF COMPONENTS		4.50 #			
COMBINED VOLUME OF COMPONENTS		1 CU. FT.			
SHIP TONNAGE					

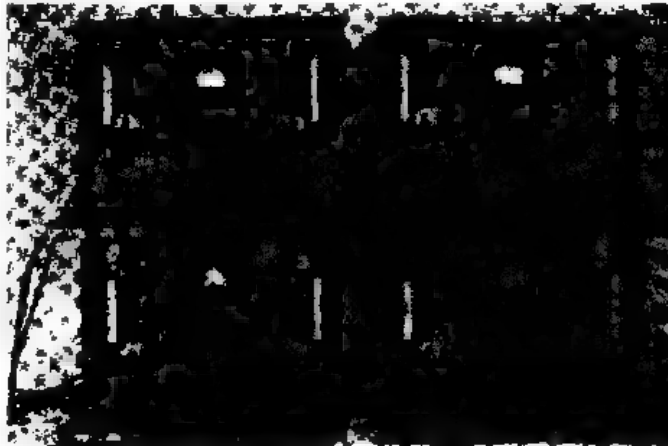
RADIO RECEIVER RC-39

INSTRUCTIONAL LITERATURE.	STATUS	NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION	AN/TRC-4																																							
	CHANGE IN STATUS:																																										
	PHOTOGRAPH SHOWS SOME OF THE COMPONENTS OF RADIO RELAY SET AN/TRC-4. THE SET BEING HOUSED IN WEAPONS CARRIER, FOR FIXED OPERATION. THIS PHOTOGRAPH, HOWEVER, DOES NOT SHOW NORMAL STANDBY EQUIPMENT TO PROVIDE 24-HOUR CONTINUOUS OPERATION. ILLUSTRATED INSTALLATION IN WEAPONS CARRIER SHOULD NOT BE CONSTRUED AS NORMAL PRACTICE. AN/TRC-4 IS A 50 WATT, FM RADIO RECEIVING AND TRANSMITTING EQUIPMENT FOR USE AS A REPEATER STATION IN A RADIO RELAY, MULTI- OR SINGLE-CHANNEL COMMUNICATION SYSTEM. AUDIO CHARACTERISTICS: FLAT RESPONSE 200-12,000 Cps. THIS SET HAS STANDBY EQUIPMENT FOR 24-HOUR CONTINUOUS OPERATION.		PART A-TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MO) 70-100 (300 CHANNEL) NUMBER OF CRYSTALS: 96 WITH SET, OR 16 "RADIO" FREQUENCIES. FOR ADDITIONAL CRYSTALS, SEE CASE CY-144/TRC-1 CONTAINING 900 CRYSTALS, (PART OF RADIO TERMINAL SET AN/TRC-3) PRESET FREQUENCIES: ONE ANTENNA: 3 ELEMENT HORIZONTAL ARRAY. TUNING: (MO OR XTAL) XTAL (RECEIVED & TRANSMITTER) SENSITIVITY: SELECTIVITY: POWER SOURCE: 115 VOLT AC 60 CYCLE, SINGLE PHASE (POWER UNIT PE-75) SIMILAR SETS: AN/TRC-1, AN/TRC-3 POWER OUTPUT: (WATTS) 50 TUNER: (TYPE AND NUMBER) 1C-6AC7 4-5R40Y 10-5V6GT 4-6H6 5-6SL7GT 2-5X5GT 15-63M7 5-63N7GT 2-829	PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: RANGE: 25-35 MILES (OR MORE ACCORDING TO TERRAIN AND USE OF APP. AN/TRC-1) TO COMMUNICATE WITH: AN/TRC-1, AN/TRC-3 (AND F.M. LINK TYPE 1458 OR 1505) TO REPLACE IN PART: NONE TRANSPORTATION: VEHICULAR TYPE OF SIGNAL: A-3 (FM)																																							
			PART C- PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED) <table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>3 TRANSMITTER T-14/TRC-1</td> <td></td> <td></td> <td></td> <td></td> <td>RESTRICTED</td> </tr> <tr> <td>3 RECEIVER R-19/TRC-1</td> <td></td> <td></td> <td></td> <td></td> <td>RESTRICTED</td> </tr> <tr> <td>4 ANTENNA SYSTEM AS-19/TRC-1</td> <td></td> <td></td> <td></td> <td></td> <td>RESTRICTED</td> </tr> <tr> <td>3 POWER UNIT PE-75</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>1 MAINTENANCE EQUIPMENT MN-6/TRC-4</td> <td></td> <td></td> <td></td> <td></td> <td>RESTRICTED</td> </tr> </tbody> </table>		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	3 TRANSMITTER T-14/TRC-1					RESTRICTED	3 RECEIVER R-19/TRC-1					RESTRICTED	4 ANTENNA SYSTEM AS-19/TRC-1					RESTRICTED	3 POWER UNIT PE-75					UNCLASSIFIED	1 MAINTENANCE EQUIPMENT MN-6/TRC-4					RESTRICTED
			ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION																																			
				HEIGHT	WIDTH	DEPTH																																					
3 TRANSMITTER T-14/TRC-1					RESTRICTED																																						
3 RECEIVER R-19/TRC-1					RESTRICTED																																						
4 ANTENNA SYSTEM AS-19/TRC-1					RESTRICTED																																						
3 POWER UNIT PE-75					UNCLASSIFIED																																						
1 MAINTENANCE EQUIPMENT MN-6/TRC-4					RESTRICTED																																						
COMBINED WEIGHT OF COMPONENTS																																											
COMBINED VOLUME OF COMPONENTS																																											
SHIP TONNAGE																																											

(GROUND SIGNAL EQUIPMENT; GROUND RADIO.)

THIS SHEET IS CLASSIFIED: **RESTRICTED**

AN/TRC-3		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	STATUS:		INSTRUCTIONAL LITERATURE										
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 70-100 MEGACYCLES (300 CHANNELS) NUMBER OF CRYSTALS: 964 (BANK OF 900 ON 300 FREQUENCIES PLUS 64 CRYSTALS ON 16 "BANK" FREQUENCIES). PRESET FREQUENCIES: ONE. ANTENNA: 3 ELEMENT HORIZONTAL ARRAY. TUNING: (MO OR XTAL)XTAL(RECEIVER AND TRANSMITTER) SENSITIVITY: SELECTIVITY: POWER SOURCE: 115 VOLT AC, 60 CYCLE, SINGLE PHASE, (POWER UNIT PE-75) SIMILAR SETS: AN/TRC-1, AN/TRC-4 POWER OUTPUT: (WATTS) 50 TUBES: (TYPE AND NUMBER) <table style="margin-left: 20px; border: none;"> <tr> <td>5-6AC7</td> <td>3-6SN7GT</td> </tr> <tr> <td>2-6H6</td> <td>2-6Y6GT</td> </tr> <tr> <td>8-6X4T</td> <td>1-6X5GT</td> </tr> <tr> <td>2-6R4GT</td> <td>1-8Z5</td> </tr> <tr> <td>3-6SL7GT</td> <td></td> </tr> </table>		5-6AC7	3-6SN7GT	2-6H6	2-6Y6GT	8-6X4T	1-6X5GT	2-6R4GT	1-8Z5	3-6SL7GT		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: ARMY GROUND FORCES, ARMY SERVICE FORCES. RANGE: 25-35 MILES, OR MORE ACCORDING TO TERRAIN AND USE OF AMPLIFIER EQUIPMENT AN/TMA-1. TO COMMUNICATE WITH: AN/TRC-1, AN/TRC-4 AND F.M. LINK MODEL 1498, 1505. TO REPLACE IN PART: NONE TRANSPORTATION: VEHICULAR TYPE OF SIGNAL: A-3 (FM)		CHANGE IN STATUS:		
5-6AC7	3-6SN7GT															
2-6H6	2-6Y6GT															
8-6X4T	1-6X5GT															
2-6R4GT	1-8Z5															
3-6SL7GT																
				THE TWO RADIO RECEIVERS, R-19/TRC-1 AND TRANSMITTERS, T-14/TRC-1, INCHES AS PICTURED BELOW, ARE PROPER COMPONENTS FOR RADIO SET AN/TRC-3, BUT THE CORDING SHOWN IS NOT THAT USED TO PERFORM THE FUNCTIONS OF AN/TRC-3. RADIO TERMINAL SET AN/TRC-3 IS USED WITH AND CONNECTIONS ARE NORMALLY MADE TO CARRIER TELEPHONE TERMINAL EQUIPMENT TC-21, AND/OR CARRIER TELEGRAPH TERMINAL EQUIPMENT TC22 FOR MULTI-CHANNEL CARRIER COMMUNICATION SYSTEM.												
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																
ITEM	HEIGHT	WIDTH	DEPTH	WEIGHT	CLASSIFICATION											
2 TRANSMITTER T-14/TRC-1					RESTRICTED											
2 RECEIVER R-19/TRC-1					RESTRICTED											
2 ANTENNA SYSTEM AS-19/TRC-1					RESTRICTED											
3 POWER UNIT PE-75					UNCLASSIFIED											
1 MAINTENANCE EQUIPMENT ME-5/TRC-3					RESTRICTED											
COMBINED WEIGHT OF COMPONENTS																
COMBINED VOLUME OF COMPONENTS																
SHIP TONNAGE																



RADIO SET AN/TRC-3 IS A 50 WATT, FM, RADIO RECEIVING AND TRANSMIT-
 TING TERMINAL STATION OF A RADIO RELAY MULTI OR SINGLE-CHANNEL COM-
 MUNICATION SYSTEM WITH OR WITHOUT CARRIER EQUIPMENT TC-21 AND TC-22
 (NOT A PART OF AN/TRC-3) TWO RADIO TERMINAL SETS, AN/TRC-3 CONSTITUTE
 THE MINIMUM REQUIREMENTS FOR A MULTI-CHANNEL COMMUNICATION SYS-
 TEM. WHERE DISTANCE BETWEEN THE TWO IS TOO GREAT FOR SINGLE JUMP
 OPERATION, RADIO RELAY SETS AN/TRC-4 ARE PLACED AT INTERMEDIATE
 POINTS, AS REQUIRED. RADIO SETS AN/TRC-3 AND AN/TRC-4 ARE SUPPLIED
 WITH SUFFICIENT STANDBY EQUIPMENT TO ASSURE 24-HOUR CONTINUOUS OP-
 ERATION.

THIS SHEET IS CLASSIFIED: **RESTRICTED**

{GROUND SIGNAL EQUIPMENT; GROUND RADIO.}

AN/TRC-2

INSTRUCTIONAL LITERATURE

STATUS:

STANDARD
21 Aug 43NOTE SEE INDIVIDUAL SECTIONS
FOR SECTION CLASSIFICATION.NOMENCLATURE
DESIGNATIONCHANGE IN
STATUS**PART A - TECHNICAL CHARACTERISTICS**
(CLASSIFICATION: **RESTRICTED**)FREQUENCY RANGE: (MO) 2 - 6.5 (BC-1306-3.8-6.5);
RT-12/TRC-2 (2-3.5)

NUMBER OF CRYSTALS: 6 PER SET

PRESET FREQUENCIES:

ANTENNA: A DWDICE; 2 INVERTED L TYPE WITH COUNTER-
POISE OR $\frac{1}{2}$ WAVE HORIZONTAL

TUNING: (MO OR XTAL) MO AND XTAL

SENSITIVITY:

SELECTIVITY:

POWER SOURCE: HAND GENERATOR GN-53 OR POWER UNIT
PE-162

SIMILAR SETS: SCR-694

POWER OUTPUT: (WATTS) 30 ON A-1; 6 ON A-3

TUBES: (TYPE AND NUMBER) 4-1L, 2-30L
4-1R5, 2-2E22
4-125, 2-VR105
4-3A6**PART B - TACTICAL CHARACTERISTICS**
(CLASSIFICATION: **RESTRICTED**)USE: SPECIAL, LONG RANGE, MAN PACK SET FOR COM-
MUNICATION FROM ISOLATED UNITS TO HEAD-
QUARTERS.

RANGE: APPROXIMATELY 100 MILES ON CW

TO COMMUNICATE WITH: SCR-299; SCR-694

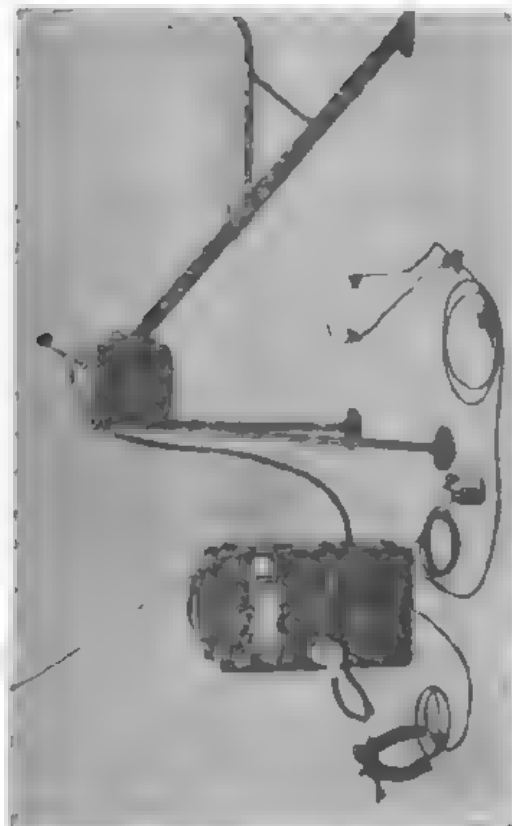
TO REPLACE IN PART: None.

TRANSPORTATION: MAN PACK, REQUIRES 12 TO 14 MEN.

TYPE OF SIGNAL: A-1; A-3 (AM)

PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION: **RESTRICTED**)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
TRANS. & REC. RT-12/TRC-2					RESTRICTED
TRANS. & REC. BC-1306					RESTRICTED
HAND GENERATOR GN-53					UNCLASSIFIED
GASOLINE ENGINE DRIVEN GEN. PE-162					
COMBINED WEIGHT OF COMPONENTS					
COMBINED VOLUME OF COMPONENTS					
SHIP TONNAGE.					

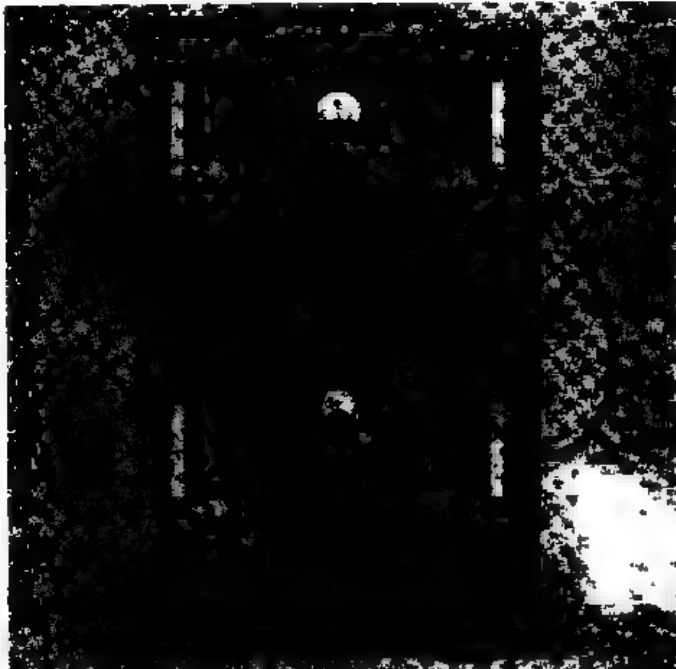


BASIC COMPONENTS OF RADIO SET AN/TRC-2, SET UP FOR FIELD OPERATION, SHOW-
ING GENERATOR AND STEEL TARE ANTENNA. TWO IDENTICAL TRANSMITTER-RECEIVER
UNITS OF THE TYPE PICTURED ARE USED WITH RADIO SET AN/TRC-2 DIFFERING IN
FREQUENCY COVERAGE ONLY. THIS EQUIPMENT IS DESIGNED FOR RESISTANCE TO
TROPICAL CONDITIONS: HIGH HUMIDITY AND EXTREME HIGH AND LOW TEMPERATURE.

THIS SHEET IS CLASSIFIED: **RESTRICTED**

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AN/TRC-1		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		STANDARD 10 OCT 43		INSTRUCTIONAL LITERATURE:	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)				CHANGE IN STATUS:			
FREQUENCY RANGE: (Mc) 70 - 100 NUMBER OF CRYSTALS: BANK OF 16 PER SET PRESET FREQUENCIES: ONE ANTENNA: 3 ELEMENT HORIZONTAL ON 40 FT. MAST. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 115/230 V, A.C., 50/60 CYCLES, SINGLE PHASE. SIMILAR SETS: AN/TRC-3 AN/TRC-4 POWER OUTPUT: (WATTS) 50 ON VOICE TUBES: (TYPE AND NUMBER) TRANS. T-14/TRC-1 RECV. R-19/TRC-1 6X170T 70T 6X4T 7C7 6J5BT 6X6 815 6V50T 6J60T 6X50T				USE: AIR FORCE, SIGNAL CORPS. RANGE: (MILES) 35 TO COMMUNICATE WITH: AN/TRC-1 TO REPLACE IN PART: F.M. LINK Co. COMMERCIAL MODEL 1498. TRANSPORTATION: VEHICLE TYPE OF SIGNAL: F.M.							
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)											
ITEM		DIMENSIONS			WEIGHT		CLASSIFICATION				
		HEIGHT	WIDTH	DEPTH							
TRANS. T-14/TRC-1		SEE REMARKS			64		RESTRICTED				
RECV. R-19/TRC-1		SEE REMARKS			42		RESTRICTED				
POWER UNIT PE-75							UNCLASSIFIED				
ANTENNA AS-19/TRC-1							RESTRICTED				
COMBINED WEIGHT OF COMPONENTS											
COMBINED VOLUME OF COMPONENTS											
SHIP TONNAGE											

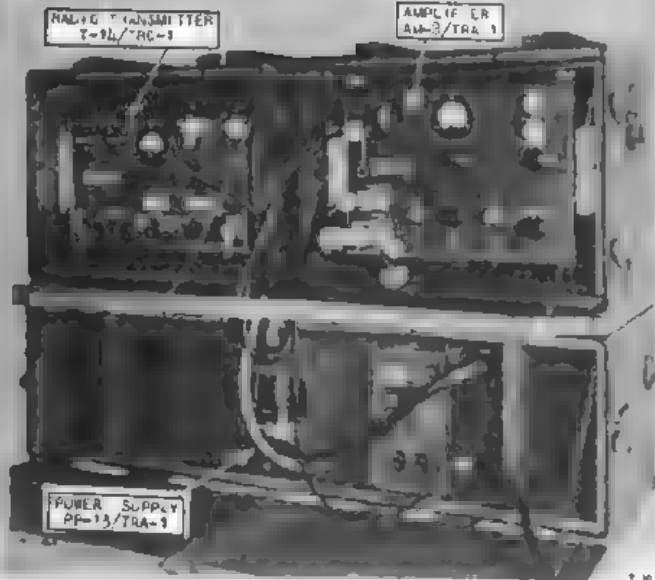
 RADIO RECEIVER R-19/TRC-1, AND RADIO TRANSMITTER T-14/TRC-1
 PART OF RADIO SET AN/TRC-1

TRANSMITTER AND RECEIVER ARE EACH HOUSED IN SEPARATE CARRYING CASES. TRANSMITTER CASE WEIGHS 32 LBS. RECEIVER CASE WEIGHS 48-1/2 LBS. IN-CLUDING CABLES, SPARE TUBES, TOOLS ETC. EACH CASE MEASURES 22-3/4" x 16-1/2" x 19-1/4". RADIO TERMINAL SET AN/TRC-3 AND RADIO RELAY SET AN/TRC-4 EMPLOY SAME RECEIVER AND TRANSMITTER AS AN/TRC-1 IN A RADIO RELAY SYSTEM ARRANGEMENT USED FOR SPECIAL PURPOSES.

THIS SHEET IS CLASSIFIED: RESTRICTED

THIS SHEET IS CLASSIFIED: **RESTRICTED**

(GROUND SIGNAL EQUIPMENT: GROUND RADIO.)

INSTRUCTIONAL LITERATURE	STATUS	NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: AN/TRA-1																																																					
	CHANGE IN STATUS:																																																							
 Radio Transmitter T-14/TRA-1, Amplifier AM-8/TRA-1, and Power Supply PP-13/TRA-1, Mounted.		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																																				
		FREQUENCY RANGE: (MC) 70 - 100 NUMBER OF CRYSTALS: NONE (AMPLIFIER UNIT) PRESET FREQUENCIES: NONE ANTENNA: 5 ELEMENT PARABOLIC BEAM. TUNING: (MC OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER SUPPLY PP-13/TRA-1 SIMILAR SETS: NONE POWER OUTPUT: (WATTS) 250 TUBES: (TYPE AND NUMBER) 2 6X-257-B		USE: ARMY GROUND FORCES; ARMY SERVICE FORCES. RANGE: MINIMUM 25 MILES, MAXIMUM ACCORDING TO TERRAIN. TO COMMUNICATE WITH: AN/TRC-1, AN/TRC-3, AN/TRC-4. TO REPLACE IN PART: NONE TRANSPORTATION: VEHICULAR TYPE OF SIGNAL: FM																																																				
RADIO SET AN/TRA-1 IS A 250-WATT RF AMPLIFIER EQUIPMENT FOR USE IN CONNECTION WITH THE RADIO TERMINAL SET AN/TRD-3, A RADIO RELAY SET AN/TRD-4, AND RADIO SET AN/TRC-1 TO INCREASE THE STRENGTH OF THE TRANSMITTED SIGNAL AND THE NORMAL OPERATION RANGE OF UNITS WITHIN THE RELAY SYSTEM. USED WITH BUT NOT PART OF: RADIO TERMINAL SETS AN/TRD-3, RADIO RELAY SET AN/TRD-4, AND RADIO SET AN/TRC-1.		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																						
		<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>AMPLIFIER AM-8/TRA-1</td> <td></td> <td></td> <td></td> <td></td> <td>RESTRICTED</td> </tr> <tr> <td>POWER SUPPLY PP-13/TRA-1</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td>SPARE PARTS KIT MK-11/TRA-1</td> <td></td> <td></td> <td></td> <td></td> <td>UNCLASSIFIED</td> </tr> <tr> <td colspan="6">FOR ANTENNA EQUIPMENT SEE RADIO SETS TRD-1, TRD-3 AND TRD-4.</td> </tr> <tr> <td colspan="6">COMBINED WEIGHT OF COMPONENTS</td> </tr> <tr> <td colspan="6">COMBINED VOLUME OF COMPONENTS</td> </tr> <tr> <td colspan="6">SHIP TONNAGE</td> </tr> </tbody> </table>				ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	AMPLIFIER AM-8/TRA-1					RESTRICTED	POWER SUPPLY PP-13/TRA-1					UNCLASSIFIED	SPARE PARTS KIT MK-11/TRA-1					UNCLASSIFIED	FOR ANTENNA EQUIPMENT SEE RADIO SETS TRD-1, TRD-3 AND TRD-4.						COMBINED WEIGHT OF COMPONENTS						COMBINED VOLUME OF COMPONENTS						SHIP TONNAGE					
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			HEIGHT	WIDTH	DEPTH																																																			
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SHIP TONNAGE																																																								

THIS SHEET IS CLASSIFIED: **RESTRICTED**

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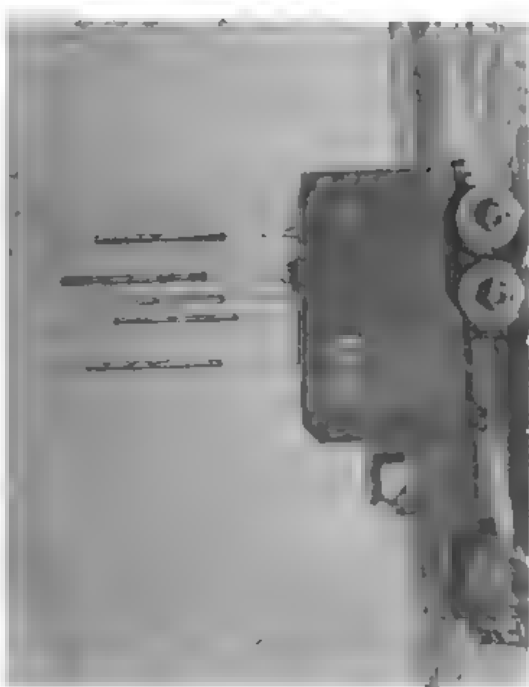
THIS SHEET IS CLASSIFIED: RESTRICTED

AN/MRN-3		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS:		STANDARD 13 Oct 43		INSTRUCTIONAL LITERATURE.	
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)				CHANGE IN STATUS:			
FREQUENCY RANGE: (Mc) 75 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ONE ANTENNA: ONE HORIZONTAL DIPOLE TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: 110 V. 50 - 60 CYCLES A.C. Power Unit PE-88, or Power Unit PE-214. SIMILAR SETS: POWER OUTPUT: (WATTS) ONE TUBES: (TYPE AND NUMBER) RC-115 USES: 1-VT-76(52b); 2-VT-159 (VR-150-30); 1-VT-188 (7E6); 2-VT-169, (7F7); 1-7N7; 5-7C5. SCR-610: 1-8C-659-A) USES: 1-1L4; 2-129; 4-1299; 1-1L6; 1-1296; 1-1C6. 1-PE-117 USES: 1 VR-50-30; 1 6K1005.				USE: TRANSMITS VERTICAL PATTERN TO BE RECEIVED BY RC-39, RC-43, RC-193, MARKING REFERENCE POINTS IN INSTRUMENT LANDING SYSTEM RANGE: 10,000 FEET, OVERHEAD. TO COMMUNICATE WITH: RC-39, RC-43, RC-193, RC1932 TO REPLACE IN PART: SC-302. TRANSPORTATION: JEEP. TYPE OF SIGNAL: CW; MOW.							
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)											
ITEM		DIMENSIONS			WEIGHT		CLASSIFICATION				
		HEIGHT	WIDTH	DEPTH							
MARKER BEACON TRANSMITTING EQUIPMENT RC-115		18"	12"	20"	37#		UNCLASSIFIED				
POWER UNIT PE-88 or POWER UNIT PE-214 *					45#		RESTRICTED				
RADIO SET SCR-610							UNCLASSIFIED				
1/4-Ton 4 X 4 TRUCK ("JEEP")		72"	63"	132"			4RC-214 IS UNCLASSIFIED				
COMBINED WEIGHT OF COMPONENTS					250# PLUS JEEP.						
COMBINED VOLUME OF COMPONENTS											
GROSS TONNAGE											

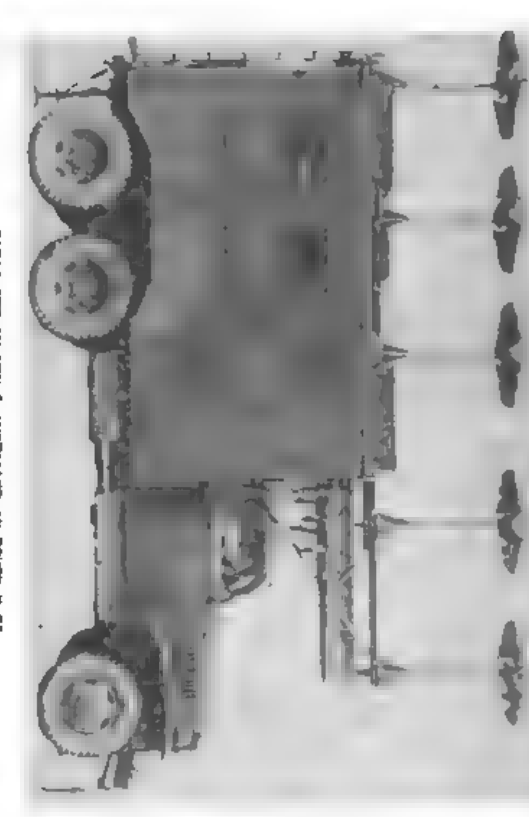
MARKER BEACON SET/AN/MRN-3 SET UP FOR OPERATION FROM TRUCK



THIS SHEET IS CLASSIFIED: RESTRICTED

INSTRUCTIONAL LITERATURE:	STATUS:	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: AN/MRN-2			
	CHANGE IN STATUS:					
		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		
		FREQUENCY RANGE: (Mc) 100 - 156 THOUS OVER 5 Mc. BAND. NUMBER OF CRYSTALS: UNDER DEVELOPMENT. PRESET FREQUENCIES: NOT YET DETERMINED. ANTENNA: VERTICALLY POLARIZED TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY:		USE: PORTABLE U.H.F. RADIO FOR SOURCE AURAL RADIO RANGE WITH STATION IDENTIFICATION, PERIODIC SQUAWK IDENTIFICATION, AND SIMULTANEOUS PHONE TRANSMISSION.		
		POWER SOURCE: 115 VOLT 60 CYCLE SINGLE PHASE, GENERATOR CAPACITY 2 KVA-AC AND 6 VOLT 20 AMP. DC. SIMILAR SETS: AN/GRN-5 POWER OUTPUT: (WATTS) COME BY SILENCE 25 WATTS (ARL-117-1) RADIO TRANS. 100 WATTS CARRIER & 50 WATTS SILENCE BAND ARL-119. TUBES: (TYPE AND NUMBER)		RANGE: (Miles) 80 TO COMMUNICATE WITH: SCR-522 TO REPLACE IN PART: SCR-377 TRANSPORTATION: TRUCK TYPE OF SIGNAL: CW, MCW, AND VOICE.		
		1-6A07 4-6BN70T 2-829 1-6B8 2-6V6VT 2-812 1-6A4 2-6X50T 6-836 1-6J5 1-185 1-VR150 2-6S7 1-957 1-6SK7 4-607				
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)						
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION
		HEIGHT	WIDTH	DEPTH		
(NOT YET DEFINITELY DETERMINED)						
COMBINED WEIGHT OF COMPONENTS						
COMBINED VOLUME OF COMPONENTS						
SHIP TONNAGE						

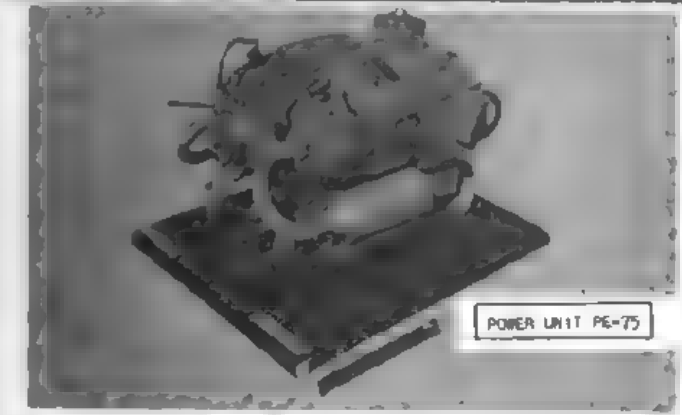
THIS SHEET IS CLASSIFIED: **RESTRICTED**

AN-MRN-1		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		STANDARD 3 JUL 62		INSTRUCTIONAL LITERATURE AN-OB-10-103 (PMI)			
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MHz) 108.3-110.3 NUMBER OF CRYSTALS: ONE PRESET FREQUENCIES: ONE ANTENNA: FIVE ALFORD LOOPS IN SAME HORIZONTAL PLANE. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 110 VOLTS 60 CYCLE AC GASLINE ENGINE-DRIVEN MOTOR GENERATOR. SIMILAR SETS: AN/QRN-3. POWER OUTPUT: (WATTS) 25 TUBES: (TYPE AND NUMBER) 1-BC-751 TRANS; 4-807B; 3-6X25T; 1-6HG; 1-6F6; 1-6SN7GT; 1-5Y4Q; 1-835B; 2-VN-150-30. 1-BC-753 COURSE DETECTOR; 1-9002; 1-63F; 1-6K6GT; 1-6X50T. 1-BC-754 COURSE DETECTOR; 1-IN; 1-957; 2-1LN 5, 1-155; 1-3M. 1-BC-755 INDICATOR BOX; 2-1 B 5; 1-BC-777 INTENSITY METER. 1-6HG; 2-6807.				PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: TRANSMITS AND MONITORS A LOCALIZED BEAM FOR USE IN MAKING INSTRUMENT LANDING AFTER AIRCRAFT HAS ARRIVED IN THE VICINITY OF THE AIRPORT. RANGE: (Miles) 40 AT 2500 FT., 70 AT 6000 FT., 100 AT 10,000 FT. TO COMMUNICATE WITH: NO-103 TO REPLACE IN PART: SCR-281 TRANSPORTATION: TRUCK TYPE OF SIGNAL: CW AND MOR, AND VOICE.				CHANGE IN STATUS					
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)													
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION							
		HEIGHT	WIDTH	DEPTH									
RADIO TRANSMITTER EQUIPMENT RD-107						RESTRICTED							
LOCALIZER TRANSMITTER EQUIPMENT CONSISTS OF:													
CONTROL BOX BC-915					800 #	UNCLASSIFIED							
RADIO TRANSMITTER BC-751					550 #	RESTRICTED							
MODULATOR & BRIDGE BC-752					300 #	RESTRICTED							
COURSE DETECTOR BC-753 (Fixed)					80 #	RESTRICTED							
COURSE DETECTOR BC-754 (PORTABLE)					25 #	RESTRICTED							
FIELD INTENSITY METER BC-755					25 #	RESTRICTED							
INDICATOR BC-777 (ALARM)					70 #	RESTRICTED							
ANTENNA EQUIPMENT RD-109					450 #	RESTRICTED							
RADIO SET SCR-610					135 #	UNCLASSIFIED							
HEATER M-321					100 #	UNCLASSIFIED							
MAINTENANCE PARTS & TOOLS					500 #	UNCLASSIFIED							
SURVEYING INSTRUMENT					60 #	UNCLASSIFIED							
CRYSTAL UNIT DC-8						UNCLASSIFIED							
VOLTMETER (S-175 (BALANCED R.F.))						UNCLASSIFIED							
VOLTMETER (S-176 (UNBALANCED R.F.))						UNCLASSIFIED							
TRUCK- K-53					11,700 #	UNCLASSIFIED							
COMBINED WEIGHT OF COMPONENTS					14,775 #								
COMBINED VOLUME OF COMPONENTS:		INSTALLED IN K-53			TRUCK, 80-100 CU. FT.		APPROX.						
SHIP TONNAGE													

COMPRISED EQUIPMENT FOR TRANSMITTING AND MONITORING A LOCALIZED BEAM WITH A BEAM SPREAD OF 20 MILES PER USE IN MAKING INSTRUMENT LANDING AFTER THE AIRCRAFT HAS ARRIVED IN THE VICINITY OF THE AIRPORT.
 (AN/MRN-1 PROVIDED WITH TRUCK K-53. AN/QRN-3 DOES NOT INCLUDE TRUCK)

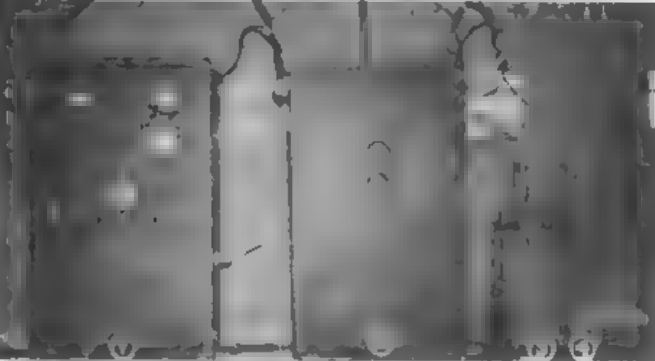
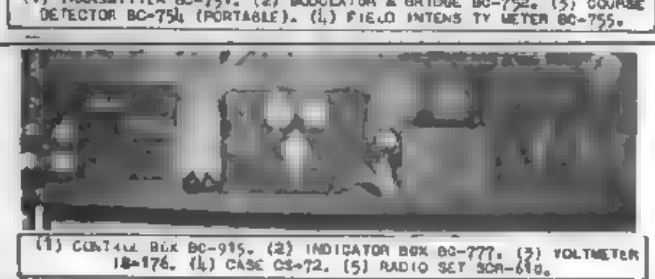
RADIO SET AN/MRN-1 INSTALLED IN TRUCK K-53

THIS SHEET IS CLASSIFIED: **RESTRICTED**

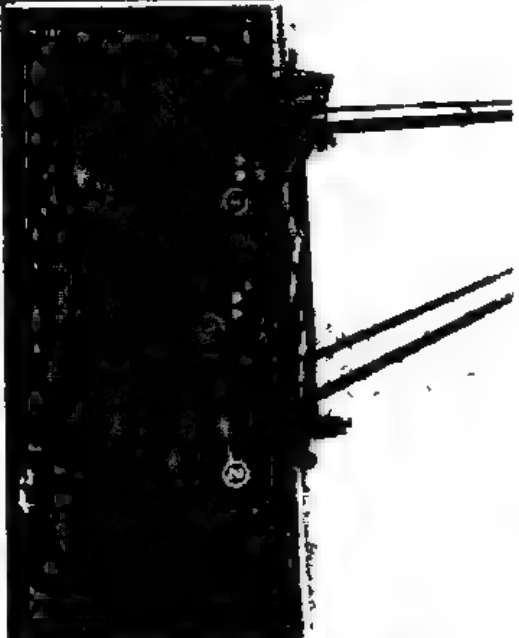
INSTRUCTIONAL LITERATURE	STATUS	NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION		AN/GRN-1																																					
	CHANGE IN STATUS																																									
 RADIO TRANSMITTER BC-901 ANTENNA TUNING UNIT BC-907		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: 0.2 - 0.4 NUMBER OF CRYSTALS: PER SPECIAL ORDER. PRESET FREQUENCIES: NONE ANTENNA: SPECIAL - 200 MMF, 7 OHMS OR LESS. TUNING: (MO OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT PE-75 OR 110 VOLTS 50 - 60 CYCLES. 950 VOLT-AMPERE SIMILAR SETS: NONE POWER OUTPUT: (WATTS) 50 TUBES: (TYPE AND NUMBER) 5 VT-145 (523) 5 VT-96 (6J5) 5 VT-100 (807)		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: A GROUND RADIO BEACON TO WHICH AIRCRAFT CAN HOME ON TAKE OFFINGS. RANGE: 100 MILES OVER LAND OR 300 MILES OVER SEA WATER. TO COMMUNICATE WITH: SCA-269 TO REPLACE IN PART: NONE TRANSPORTATION: TYPE OF SIGNAL: CW, MCM, VOICE.																																						
 POWER UNIT PE-75		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																								
		<table border="1"> <thead> <tr> <th rowspan="2">ITEM</th> <th colspan="3">DIMENSIONS</th> <th rowspan="2">WEIGHT</th> <th rowspan="2">CLASSIFICATION</th> </tr> <tr> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>RADIO TRANSMITTER BC-901</td> <td>25"</td> <td>28"</td> <td>16"</td> <td>205 #</td> <td>UNCLASSIFIED</td> </tr> <tr> <td>POWER UNIT PE-75</td> <td>36"</td> <td>19"</td> <td>27"</td> <td>330 #</td> <td>UNCLASSIFIED</td> </tr> <tr> <td colspan="4">COMBINED WEIGHT OF COMPONENTS</td> <td>ABOUT 500 LBS.</td> <td>COMPLETE</td> </tr> <tr> <td colspan="4">COMBINED VOLUME OF COMPONENTS</td> <td></td> <td></td> </tr> <tr> <td colspan="4">SHIP TONNAGE</td> <td></td> <td></td> </tr> </tbody> </table>		ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION	HEIGHT	WIDTH	DEPTH	RADIO TRANSMITTER BC-901	25"	28"	16"	205 #	UNCLASSIFIED	POWER UNIT PE-75	36"	19"	27"	330 #	UNCLASSIFIED	COMBINED WEIGHT OF COMPONENTS				ABOUT 500 LBS.	COMPLETE	COMBINED VOLUME OF COMPONENTS						SHIP TONNAGE					
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SHIP TONNAGE																																										
RADIO SET AN/GRN-1 SHOWING COMPONENTS																																										

THIS SHEET IS CLASSIFIED **RESTRICTED**

AN/CRN-5		NOMENCLATURE DESIGNATION		NOTE SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS		INSTRUCTIONAL LITERATURE																																		
PART A TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 100 - 196 TUNED OVER 5 Mc BAND. NUMBER OF CRYSTALS: UNDER DEVELOPMENT. PRESET FREQUENCIES: NOT YET DETERMINED. ANTENNA: VERTICALLY POLARIZED. TUNING: (MO OR XTAL.) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: 115 VOLT 60 CYCLE SINGLE PHASE. GENERATOR CAPACITY 2 KVA-AC AND 6 VOLT 20 AMP. DC SIMILAR SETS: AN/CRN-5 POWER OUTPUT: (WATTS) SOME OF SILENCE 25 WATTS (ARL-117-1) RADIO TRANS. 100 WATTS CARRIER & 50 WATTS SIDE BAND ARL-119. TUBES: (TYPE AND NUMBER) <table border="0"> <tr> <td>1-6AC7</td> <td>1-6SN7GT</td> <td>2-829</td> </tr> <tr> <td>1-6BB</td> <td>2-6Y6GT</td> <td>2-832</td> </tr> <tr> <td>3-6H6</td> <td>3-6X5GT</td> <td>5-836</td> </tr> <tr> <td>1-6J5</td> <td>2-1B5</td> <td>1-VRT50</td> </tr> <tr> <td>2-6K7</td> <td>1-957</td> <td></td> </tr> <tr> <td>1-6K7</td> <td>1-607</td> <td></td> </tr> </table>				1-6AC7	1-6SN7GT	2-829	1-6BB	2-6Y6GT	2-832	3-6H6	3-6X5GT	5-836	1-6J5	2-1B5	1-VRT50	2-6K7	1-957		1-6K7	1-607		PART B TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: PORTABLE U.H.F. RADIO TWO COURSE AURAL RADIO RANGE WITH STATION IDENTIFICATION, PERIODIC QUADRANT IDENTIFICATION, AND SIMULTANEOUS PHONE TRANSMISSION. RANGE: (MILES) 80 TO COMMUNICATE WITH: SOR-522 TO REPLACE IN PART: SOR-277 TRANSPORTATION: AIR TYPE OF SIGNAL: CW; MOR, AND VOICE.				CHANGE IN STATUS																
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INSTRUCTIONAL LITERATURE AN-08-10-103 (HMI)	STATUS	NOTE. SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION	NOMENCLATURE DESIGNATION																																																																																																																																			
 LOOPS MOUNTED ON TEMPORARY FRAMEWORK, OUTSIDE PORTABLE SHELTER.		PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (MC) 108.3-110.3 NUMBER OF CRYSTALS: 3 or 6 PRESET FREQUENCIES: 108.5, 108.7, 109.1, 109.5, 109.9, 110.3. ANTENNA: 5 ALFORD LOOPS IN SAME HORIZONTAL PLANE. TUNING: (MD OR XTAL) XTAL SENSITIVITY: SELECTIVITY: POWER SOURCE: POWER UNIT-PE-141 OR 110V.60 STOLIS. SIMILAR SETS: AN/WRN-1 POWER OUTPUT: (WATTS) 25 TUBES: (TYPE AND NUMBER) 1 BC-751 TRANS; 4-807W; 3-HK257; 1-6X6; 1-6F6; 1-6SN7GT; 1-5YQ5; 1-836; 2-VR-150-30 1-BC-753 COURSE DETECTOR; 1-9002; 1-6SF5; 1-6K60T; 1-6X50T; 1-BC-754 COURSE DETECTOR; 1-1R5; 1-957; 2-1-UN 5; 1-145; 1-34L; 1-BC-755 INDICATOR BOX; 2-1 & 5; 1-BC-777 INTENSITY METER; 1-6SN7; 2-6X67.		PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: GROUND LOCALIZER TRANSMITTER TO PROVIDE ALTIMETER GUIDANCE OF AIRCRAFT FOR BLIND APPROACH OR INSTRUMENT LANDING. THIS SET HAS SAME COMPONENTS AS AN/WRN-1 PACKED FOR AIR TRANSPORT INSTEAD OF INSTALLED IN TRUCK K-53. RANGE: 75 MILES TO COMMAN DATE WITH: RC-103 TO REPLACE IN PART: ARMY A-1 INSTRUMENT LANDING SYSTEM. TRANSPORTATION: AIR TYPE OF SIGNAL: CR, MDW, VOICE.																																																																																																																																		
 (1) TRANSMITTER BC-751. (2) MODULATOR & BRIDGE BC-752. (3) COURSE DETECTOR BC-754 (PORTABLE). (4) FIELD INTENS. TV METER BC-755.		PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																																																																																																																				
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THIS SHEET IS CLASSIFIED: RESTRICTED

AN/CRN-2		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION		STATUS.	STANDARD 5 FEB 64	INSTRUCTIONAL LITERATURE.					
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)		CHANGE IN STATUS: RADIO SET AN/CRN-2 (GLIDE PATH TRANSMITTING EQUIPMENT SET UP FOR OPERATION) DEVELOPMENTAL MODEL. (1) TRANSMITTER AND MODULATOR, (2) GLIDING ENGINE POWER SUPPLY. (3) RECEIVER POWER SUPPLY.							
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)			USE: IS A GLIDE PATH TRANSMITTER WHICH GIVES THE ANGLE OF APPROACH. THIS IS INDICATED ON A HORIZONTAL POINTER OBTAINED IN THE AN/ARN-1, INSTRUMENT LANDING RECEIVING EQUIPMENT. RANGE: (MILES) 15 MILES AT 3000 FT. TO COMMUNICATE WITH: AN/ARN-5 TO REPLACE IN PART: TRANSPORTATION: INSTALLED IN AIR-TRANSPORTABLE TRAILER. TYPE OF SIGNAL: STRAIGHT LINE GLIDE PATH - DOUBLE BEAM MOD SYSTEM.									
ITEM			HEIGHT		WIDTH		DEPTH		WEIGHT		CLASSIFICATION	
(NOT YET DEFINITELY DETERMINED)												
COMBINED WEIGHT OF COMPONENTS												
COMBINED VOLUME												
SHIP TONNAGE												

THIS SHEET IS CLASSIFIED: RESTRICTED

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(AIRCRAFT RADIO; RADIO NAVIGATION.)

INSTRUCTIONAL LITERATURE:	STATUS		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: AN/CRN-1																																														
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			FREQUENCY RANGE: (MC) 1.45 - 1.70 NUMBER OF CRYSTALS: None PRESET FREQUENCIES: ANTENNA: TELESCOPIING UNIT TUNING: (MO OR XTAL) MO SENSITIVITY: SELECTIVITY: POWER SOURCE: BATTERIES SIMILAR SETS: None POWER OUTPUT: (WATTS) LESS THAN ONE TUBES: (Type and Number) 2 - 6V6GT		USE: WHEN DROPPED INTO THE SEA FROM A AIRCRAFT, AUTOMATICALLY TRANSMITS A SIGNAL FOR HOMING BY MEANS OF RADIO COMPASS SCR-269. DUREE 12 HOURS AND THEN SILENT. RANGE: 50 MILES OVER SEA WATER. TO COMMUNICATE WITH: SCR-269 TO REPLACE IN PART: TRANSPORTATIONS: Sea TYPE OF SIGNAL: C. W.																																													
			PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)																																															
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PARACHUTE MC-91/CRN-1; PART OF RADIO TRANSMITTING EQUIPMENT AN/CRN-1 (1) STATIC LINE. (2) CONTAINER FOR PARACHUTE AND SILENCE RING RELEASE MECHANISM. (3) METAL BAND. (4) LOAD LINE. (5) RED CORD, TO BE FASTENED TO PULL SWITCH LOOP. (6) BLACK CORD, TO BE FASTENED TO FLOAT CORD LOOP. (7) SNAP FASTENER, TO BE ATTACHED TO HANDLE ON OUTER CASE.																																																		
RADIO TRANSMITTING EQUIPMENT AN/CRN-1 (SIDE VIEW, CONTAINERS EXTENDED). (1) ANTENNA. (2) DELAYED TIMER CONTROL KNOB. (3) INNER CONTAINER. (4) OUTER CONTAINER.																																																		

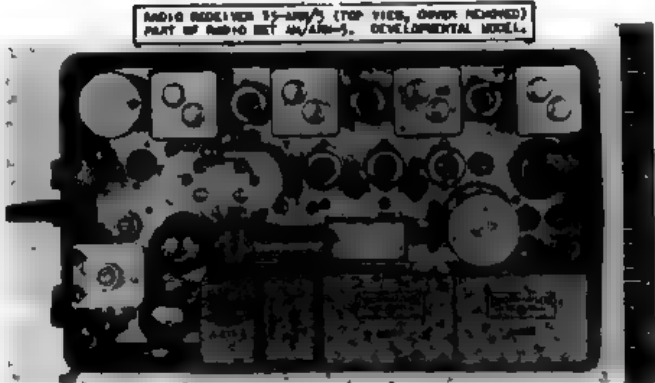
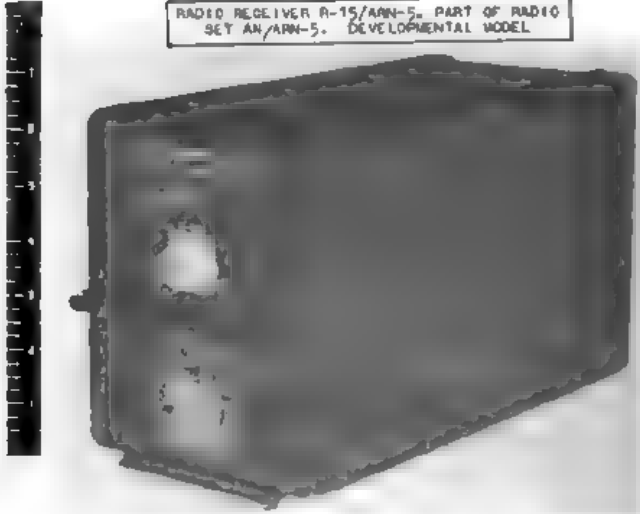
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			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED)																																																							
			FREQUENCY RANGE: (MC) 300 TO 1,750 NUMBER OF CRYSTALS: PRESET FREQUENCIES: ANTENNA: LOOP, FIXED OR ROTATABLE, WITH REMOTE INDICATION OF LOOP POSITION. (Dual remote control and one set of local controls.) TUNING: (MO OR XTAL) SENSITIVITY: 50 MICROVOLTS/METER, SELECTIVITY --- POWER SOURCE: 24 VOLTS DC SIMILAR SETS: SCR-269 (AN/ARN-6 IS TO BE SMALLER THAN RADIO SET SCR-269) POWER OUTPUT (WATTS): NONE TUBES: (TYPE AND NUMBER) TUNE DATA NOT AVAILABLE AT PRESENT.																																																							
			USE: AUTOMATIC RADIO COMPASS SIMILAR TO SCR-269. PRIMARILY USED FOR NAVIGATION, INSTALLED IN AIRPLANE. RANGE (MILES) TO COMMUNICATE WITH: TO REPLACE IN PART: SCR-269. (NOTE: RADIO SET AN/ARN-6 IS TO BE LIGHTER IN WEIGHT THAN RADIO SET SCR-269 AND WILL ALSO BE SIMPLER TO OPERATE.) TRANSPORTATION: AIRBORNE INSTALLATION TYPE OF SIGNAL: CW - MORSE AND VOICE.																																																							
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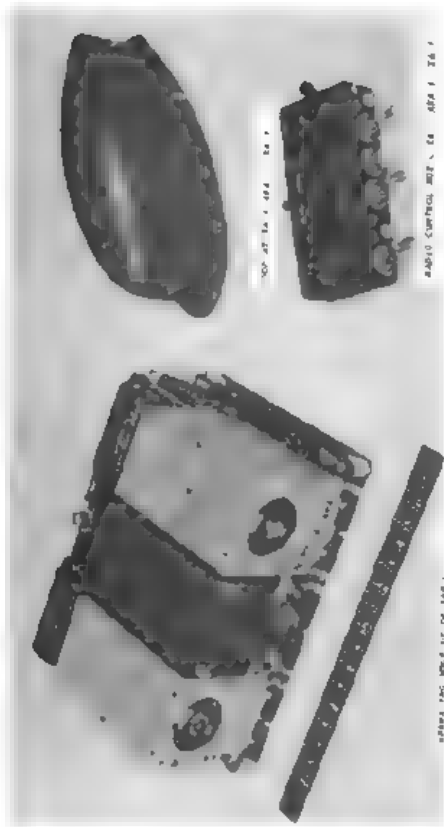
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AN/ARN-5		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		INSTRUCTIONAL LITERATURE:																													
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FREQUENCY RANGE: (Mc) 335 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: ONE ANTENNA: AS-27/ARN-5 TUNING: (MC OR XTAL) SENSITIVITY: SELECTIVITY: POWER SOURCE: 24 V. AIRCRAFT BATTERY. SIMILAR SETS: NONE. POWER OUTPUT: (WATTS) NONE. TUBES: (TYPE AND NUMBER) (TENTATIVE) (BENGLI MODEL) 2-12AH7GT; 1-28D7; 1-955. (CROSBY MODEL) 1-125A7GT; 2-125N7GT; 1-28D7; 1-6AK5. (EMERSON MODEL) 1-6SL7GT; 1-125N7GT; 1-28D7; 1-955.				USE: AIRBORNE SLIDE PATH RECEIVER FOR GIVING PILOT VERTICAL GUIDANCE FOR INSTRUMENT APPROACH OR LANDING. RANGE: TO COMMUNICATE WITH: AN/CNM-2 TO REPLACE IN PART: AN/ARN-5 IS A PART OF A SET WHICH REPLACES SCR-241. TRANSPORTATION: AIRBORNE TYPE OF SIGNAL: MCB, VOICE				 RADIO RECEIVER R-15/ARN-5 (TOP VIEW, COVER REMOVED) PART OF RADIO SET AN/ARN-5. DEVELOPMENTAL MODEL.																													
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED) <table border="1"> <thead> <tr> <th>ITEM</th> <th>HEIGHT</th> <th>WIDTH</th> <th>DEPTH</th> <th>WEIGHT</th> <th>CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>RADIO RECEIVER, R-15/ARN-5; R-17/ARN-5; OR R-57/ARN-5</td> <td>6-1/2"</td> <td>6"</td> <td>8"</td> <td>8#</td> <td></td> </tr> <tr> <td>COMBINED WEIGHT OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td>10# APPROX.</td> <td></td> </tr> <tr> <td>COMBINED VOLUME OF COMPONENTS:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SHIP TONNAGE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						ITEM	HEIGHT	WIDTH	DEPTH	WEIGHT	CLASSIFICATION	RADIO RECEIVER, R-15/ARN-5; R-17/ARN-5; OR R-57/ARN-5	6-1/2"	6"	8"	8#		COMBINED WEIGHT OF COMPONENTS:				10# APPROX.		COMBINED VOLUME OF COMPONENTS:						SHIP TONNAGE						 RADIO RECEIVER R-15/ARN-5. PART OF RADIO SET AN/ARN-5. DEVELOPMENTAL MODEL.	
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(AIRCRAFT RADIO: RADIO NAVIGATION.)

INSTRUCTIONAL LITERATURE.	STATUS		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.	NOMENCLATURE DESIGNATION: AN/ARA-1																																																		
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 COMPONENTS OF RADIO COMPASS ADAPTER AN ARA-111A-11 SHOWN MOUNTED BETWEEN MODIFIED RECEIVERS OF RADIO SET SCR-774-B (RECEIVER UNIT NO. 1A-111A-11) COMPASS ADAPTER AN ARA-1 AL-1 (RECEIVING GROUP)			FREQUENCY RANGE: (Mc) .150 -1.5 NUMBER OF CRYSTALS: NONE PRESET FREQUENCIES: NONE ANTENNA: FIXED OR ROTATABLE LOOP AND BEBE ANTENNA. TUNING: (MD OR XTAL) SINGLE CONTROL. SENSITIVITY: SELECTIVITY: POWER SOURCE: 25 VOLTS D. C. SIMILAR SETS: SCR-186 POWER OUTPUT: (WATTS) NONE TUBES: (TYPE AND NUMBER) 1-12SK7 1-12SR7 2-12AH7GT.		USE: USED WITH SC-453-B AND/OR SC-946 TO GIVE AURAL OR VISUAL LEFT-RIGHT RADIO COMPASS OPERATION. RANGE: MAXIMUM 300 MILES, DEPENDING UPON TRANSMITTER. TO COMMUNICATE WITH: TO REPLACE IN PART: ANY AIRCRAFT LEFT-RIGHT COMPASS. TRANSPORTATION: AIRBORNE. TYPE OF SIGNAL: CW - MCW - VOICE.																																																	
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THE PURPOSE OF THIS MANUAL IS TO PRESENT, IN A SINGLE VOLUME, A CONDENSATION AND COMPILATION OF DATA PERTAINING TO SIGNAL CORPS RADIO COMMUNICATION EQUIPMENT. IT IS ISSUED IN LOOSE-LEAF FORM, SO THAT ADDITIONAL SHEETS OR REVISIONS OF OLD SHEETS CAN BE ADDED.

THE TABLE OF CONTENTS IN THE FRONT OF THE VOLUME LISTS ALL SETS BY FUNCTIONAL GROUPS, SHOWING PAGE NUMBERS; THE INDEX IN THE BACK OF THE VOLUME LISTS ALL THE SETS DESCRIBED IN ALPHABETICAL AND NUMERICAL ORDER, SHOWING INDIVIDUAL PAGE NUMBERS; AND, FINALLY, THE PAGES OF THE BOOK ARE ASSEMBLED SO THAT THE NOMENCLATURE OF THE SETS RUNS ALPHABETICALLY AND NUMERICALLY THROUGHOUT.

THIS MANUAL SUPERSEDES THE SECRET INFORMATION LETTER; OTHER SPECIAL COMMUNICATION EQUIPMENT DIRECTORIES, AND THE SIGNAL COMMUNICATION EQUIPMENT DIRECTORY, APRIL 1943 ISSUE, FORMERLY PUBLISHED BY THE CHIEF SIGNAL OFFICER.

(ALL INFORMATION CONTAINED HEREIN IS BASED ON LATEST DATA AVAILABLE 1 MARCH 1944)

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WASHINGTON 25, D. C., -----

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[A. G. 300.7 (10 Mar. 44).]

BY ORDER OF THE SECRETARY OF WAR:

G. C. MARSHALL,
Chief of Staff.

OFFICIAL:

J. A. ULIO,
Major General,
The Adjutant General.

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This manual supersedes the Secret Information Letter; other special Communication Equipment Directories, and the Signal Communication Equipment Directory, April 1943 Issue, formerly published by the Chief Signal Officer.

SIGNAL COMMUNICATION
EQUIPMENT DIRECTORY

RADIO COMMUNICATION EQUIPMENT



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United States Government Printing Office

Washington, 1944

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SIGNAL COMMUNICATION
EQUIPMENT DIRECTORY

RADIO COMMUNICATION EQUIPMENT

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